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Sent Electronically

January 15, 2013

Ms. Kimberly Staiger
On-Scene Coordinator
USEPA Region II
Removal Action Branch
2890 Woodbridge Avenue
Building 209
Edison, NJ 08837

Re: Former Barth Smelting
99 Chapel Avenue
Newark, Essex County
Block 2442, Lots 10-12

Dear Ms. Staiger:

On behalf of our client, 99 Chapel Street, LLC, we have prepared this correspondence to fulfill the request made through our client's counsel, Andrew B. Robins, Esq. by William J. Reilly, Jr., Esq., Assistant Regional Counsel, USEPA Region II. That request was in follow-up to our the December 28, 2012 site walk and the ongoing discussions between the Agency (in the person of you and Mr. Reilly) and 99 Chapel Street, LLC regarding the historic operations that had occurred at the 99 Chapel Avenue site, in particular, the former Barth Smelting facility.

As was discussed during the December 28, 2012 walk-through and as we understand Mr. Robins has noted to Mr. Reilly and to you, 99 Chapel Street, LLC has and will continue to work cooperatively with the Agency to provide the information that has been developed and that will be developed as we complete the assessment and documentation of the site conditions. We would like to take this opportunity to also restate that:

- the facility owned by 99 Chapel Street, LLC houses commercial/light industrial operations;
- access to the site controlled and limited to our tenants and their employees and suppliers;
- as summarized below, the soils underlying the site have been mapped as historic fill or otherwise have characteristics consistent with historic fill;
- as is also summarized below, there is no exposure pathway to the soils underlying the site due to the presence of various capping elements including, foundations, pavement, and gravel (often multiple layers of same) as well as the fact that access to the site is controlled and highly limited;
- the foregoing was confirmed in the New Jersey Department of Environmental Protection (NJDEP) in the context of DEP's pre-CERCLIS screening and reviewed by USEPA, James Desir, noting "Not a Valid Site or Incident" (a copy of "DEP's Pre-CERCLIS Screening Form, SDMS Document 129863, EPA I.D. Number CER NJN0080100373", dated May 2012 is attached);

- this office is the process of documenting the environmental conditions under the NJDEP's Site Remediation Program under the supervision of a Licensed Site Remediation Professional (LSRP);
- once the conditions are documented, the appropriate Engineering Controls and Institutional Controls (e.g., recorded deed notice and Remedial Action Permit) will be put in place at which time the LSRP will issue a Response Action Outcome; and
- the operations of Barth Smelting did not extend onto the nearby housing development. Rather another entity unrelated to Barth Smelting, NJ Zinc & Iron, operated on that property and those operations did not extend onto the property owned by 99 Chapel Street, LLC.

We have been retained recently by 99 Chapel Street, LLC as the LSRP of record for the site. Part of our scope in the near term is to prepare a comprehensive Preliminary Assessment for the site. Currently we are moving forward with the process of documenting the closure of six underground storage tanks that were discovered during a geophysical survey of the Site. We are also in the process of documenting the nature of the existing capping element. Those aspects of the scope have been scheduled for completion during 2013.

In order to assist USEPA in their efforts, we have excerpted the draft Preliminary Assessment to summarize the site history for the Block 2442 Lots 10-12, where the operations of the former Barth Smelting have been reported on our client's property. The provision of this information is with the express understanding that our work is ongoing and is considered as "draft." We also appreciate that the Agency has agreed to accept the information without QA/QC documentation.

1 Background

1.1 Site Description

Lots 10 through and including 12 of Block 2442 are part of a site known as 99-129 Chapel Street and 2-34 Lister Avenue in Newark, Essex County, New Jersey. That site is relatively flat, irregular in shape and encompasses approximately eleven acres of land. The site is bounded to the north by the Passaic River and to the south by Chapel Street and Lister Avenues.

Approximately 97% of the property is shown as historic fill on NJDEP Historic Fill Map of the Elizabeth Quadrangle 2004. This matter was investigated as part of the Whitman Companies, Inc. (Whitman, East Brunswick, NJ) 2006 draft Preliminary Assessment/Site Investigation/Remedial Investigation Workplan and there is evidence of historic fill throughout the site. The vast majority of the Site has an impervious cover (i.e., asphalt, gravel, concrete, or combinations of same), including all of Lots 10-11 and much of Lot 12.

There are nine structures on site that include the Main Building, the Auto Storage Garage, the Refer Building, the Plywood Building, the Garage/Office Building, the Office Building, the Carpentry Building, the Water Main Building and a Garage. There are also a number of trailers and shipping containers permanently in place and used for storage.

1.2 Current Operations

99 Chapel Street LLC owns the property and leases space to the following companies:

- **A.G. Ship Maintenance Corp.** – Office space (Block 2442, Lot 10) and storage (Block 2442, Lots 10 & 12, Block 2442, Lot 25). A.G. Ship leases office space inside the Office Building. They use the Carpentry Building for storage and for site maintenance. They use the Plywood Building and Refer

Building for storage and parking respectively. Hazardous materials, primarily auto maintenance fluids and paints are used and stored in the Carpentry Building and Plywood Building. They also maintain the Water Main Connection Building, which house the municipal water connections and meters. The maintenance supervisor for A.G. Ship Maintenance Corp. uses the Garage/Office Building as a residential home.

- **Bay Container** – Office space (Block 2442, Lot 10). Bay leases office space inside the Office Building.
- **Law Office of Robert Chambers** – Office space (Block 2442, Lot 10). Robert Chambers, Esq. leases office space inside the Office Building.
- **99 Chapel Street LLC** – Office space (Block 2442, Lot 10) and Storage (Block 2442 Lot 10, Block 2437 Lot 25). 99 Chapel Street LLC leases office space inside the Office Building. They also use the Garage, the Auto Storage Garage and shipping containers for storage. The only hazardous materials are automobile maintenance fluids stored in the Auto Storage Garage. They also use the Garage/Office Building for storage and as a gym.
- **Dowd Trucking** – Truck/Trailer parking and office space (Block 2442, Lot 10). Dowd has office space inside the Garage/Office Building. They have a small office trailer, a shipping container, and parking in their leasehold. The only hazardous materials Dowd has a small quantities of automobile maintenance liquids stored in the shipping container.
- **Food Trucks LLC** – Parks trucks, stores truck bodies and doses minor truck assembly and maintenance on Lots 11, 12 and 25. Food Trucks uses automobile fluids as part of their truck maintenance inside the Main Building.

1.3 Block 2442 Lot 10

1.3.1 Current Buildings

- **The Plywood Building** is a single story masonry and steel building totaling approximately 5,200 square-feet. The building was built sometime between 1908 and 1931. The building is not heated and there are no bathrooms, sewer or water connections.
- **The Garage/Office Building** is a two-story masonry building totaling approximately 3,200 square-feet. The building was built sometime between 1951 and 1961. This building is heated by natural gas. The building is connected to municipal sanitary sewer and drinking water.
- **The Office Building** is a two-story masonry building totaling approximately 3,300 square-feet. The building was built sometime between 1940 and 1952. This building is heated by natural gas. The building is connected to municipal sanitary sewer and drinking water.
- **The Carpentry Building** is a single story masonry building totaling approximately 1,700 square-feet. The building was built sometime between 1908 and 1931. This building is heated by natural gas. The building is connected to municipal sanitary sewer and drinking water.
- **The Garage** is a single story masonry building totaling approximately 450 square-feet. The building was built sometime between 1995 and 2001. The building is not heated and there are no bathrooms, sewer or water connections.

- **The Water Main Building** is a single story masonry building totaling approximately 36 square-feet. The construction date is not known. The building is not heated and there are no bathrooms, sewer or water connections.

1.3.2 Property Ownership and Operations

- No information was discovered about the property prior to 1892. On the 1892 Sanborn Map, this area of the site is on the periphery of the New Jersey Zinc & Iron Company's larger operations to the south of the site. NJ Zinc had three small buildings and two rail spurs on site.
- In the 1908 Sanborn, NJ Zinc now has four small buildings and two rail spurs. In 1919, NJ Zinc sold Lots 10, 11 & 12 to General Lead Batteries Company.
- In the 1931 Sanborn, General Lead Batteries is shown as the operator with four buildings (warehouse, two factory buildings and a garage) on site.
- In 1941, General Lead Batteries sold the property to Barth Smelting & Refining Works, who began operating on the site as a metal smelter.
- By 1952, Barth Smelting expanded operations, adding an office building, a scale, and a scale house.
- By 1974, Barth added two new buildings (the current garage, adjacent to the Carpentry Building, and the existing Garage/Office Building) and a dust collector.
- In 1970, Simon Hugo Metals may have been operating on site (operations unknown).
- In 1978, Hug Holdings purchased Lots 10, 11 & 12 from Ogden Alloys, Inc. (a.k.a. Barth Smelting & Refining Works). Barth had ceased operations sometime prior to the sale. According to the property owner, their buildings were demolished (by Hug Holdings in 1979).
- At this time, Hug Holdings, Bay Container, A.G. Ship Maintenance Corporation, Portwide Cargo Securing Co., Inc. moved their offices into the existing office building on site. Palmer Industries used portions of the property to store shipping containers and trailers. Portwide also occupied the plywood building for supply storage, the carpentry building for site maintenance, and the garages for storage.

The following tenants occupied this area of the site:

- Lee & Palmer used office space between 1978 and 1988.
- John Hug, an attorney, used office space between 1978 and 1988.
- Wide Range Tire, Inc. operated a tire repair shop in the carport area alongside the Carpentry Building.
- Black Bullet Transport, Inc. used the site for parking and office space.
- Industrial Waste Technologies, Inc. and Filter Flat Environmental used office space sometime between 1995 and 2004.
- World Wide Management used office space between 1984 and the present.
- In 2000, Hug Holdings was re-organized into Chapel Street Partners. In 2003, Chapel Street Partners re-organized into Chapel Street LLC and Columbia Containers took over the Palmer Industries site

operations. Colombia Container left the site in 2010. Dowd Trucking is currently parking trailers on the site.

1.4 Block 2442 Lot 11

1.4.1 Current Buildings

There are no buildings located on Lot 11.

1.4.2 Property Ownership and Operations

- No information was discovered about the property prior to 1892. On the 1892 Sanborn Map, Benjamin Atha & Illingsworth Company (steel mill) had an iron warehouse and crucible furnaces on this section of the site.
- In the 1908 Sanborn Map, a single structure is present, as well as rail spurs and trestles linking Atha Tool/Casting and NJ Zinc & Iron Company.
- In 1919, General Lead Batteries purchased the property from the NJ Zinc Company. General Lead and by 1931 had three buildings on site, the buildings were listed as factory building, storage and carpentry shop.
- In 1942, Atlan Soap Works, Inc. purchased Lots 11 & 12 and began operating as a soap manufacturer. By 1952 there were two buildings: a warehouse and an unlabeled structure.
- In 1954, Atlan sold this lot to Barth Smelting & Refining Works, who expanded their operations from Lot 10.
- In 1978, Hug Holdings purchased Lots 10, 11 & 12 from Ogden Alloys, Inc. (aka Barth Smelting & Refining Works). Palmer Industries used portions of the property to store shipping containers and trailers.
- In 2000, Hug Holdings was re-organized into Chapel Street Partners.
- In 2003 Chapel Street Partners re-organized into Chapel Street LLC and Columbia Containers took over the Palmer Industries site operations. Colombia Container left the site in 2010. Food Trucks LLC currently uses the site to park trucks and trailers.

1.5 Block 2442 Lot 12

1.5.1 Current Buildings

- **The Refer Building** is a single story masonry and steel building totaling approximately 6100 square-feet. The building was built sometime between 1961 and 1974. The building is not heated and there are no bathrooms, sewer or water connections.

1.5.2 Property Ownership and Operations

- No information was discovered about the property prior to 1892. On the 1892 and 1908 Sanborn Maps, there are two rail trestles between the Benjamin Atha & Illingsworth Company and the NJ Zinc & Iron Company.
- In 1919, General Lead Batteries purchased the property from the NJ Zinc & Iron Company. General Lead had one building on site built in 1920.
- In 1942, Atlan Soap Works, Inc. purchased Lots 11 & 12 and began operating as a soap manufacturer.
- By 1952, an additional auto garage building was present.
- In 1960, Atlan sold this lot to Barth Smelting & Refining Works, who expanded their operations from Lots 10 & 11.
- By 1973 the main building is no longer present and a new warehouse (currently the Refer Building) is present on site.
- In 1978, Hug Holdings purchased Lots 10, 11 & 12 from Ogden Alloys, Inc. (aka Barth Smelting & Refining Works). Palmer Industries used the warehouse for storage and stored shipping containers and trailers outside.
- In 2000, Hug Holdings was re-organized into Chapel Street Partners. In 2003 Chapel Street Partners re-organized into Chapel Street LLC and Columbia Containers took over the Palmer Industries site operations. Colombia Container left the site in 2010. Food Trucks LLC currently uses the site to park trucks and trailers.

2 Previous Investigations

2.1 Whitman Companies UST Closure

Whitman Companies, Inc. (Whitman, East Brunswick, NJ) closed six underground storage tanks in 1990 on behalf of the property owner. The UST case was closed with a no further action letter dated March 31, 1994.

2.2 Whitman Companies Preliminary Assessment/Site Investigation/Remedial Investigation Workplan

Whitman prepared a Preliminary Assessment/Site Investigation/Remedial Investigation Workplan for submission to NJDEP Bureau of Northern Field Operations under the existing Memorandum of Agreement. It appears, however, that this report was not submitted to NJDEP.

Whitman installed a series of soil borings using a direct push drill rig to approximately twelve feet below grade and collected soil samples for laboratory analysis. The soil borings logs for Lots 10-12 have been attached as Attachment C. Results for the samples collected in Lots 10-12 also have been excerpted and provided in Attachment C.

2.3 PEC UST Closure

On behalf of 99 Chapel Street, LLC, PEC closed a 575 gallon leaded gasoline underground storage tank on Lot 12. The UST closure received a No Further Action from NJDEP on July 10, 2008. The soil data and logs from the UST closure have been included in Attachment C.

2.4 NJDEP Pre-CERCLIS Screening Form

NJDEP completed the Pre-CERCLIS screening form for the 99 Chapel Street property on May 4, 2012, which was reviewed by USEPA Region II on May 25, 2012. Based on their review, NJDEP concluded:

A Resident Individual, Resident Population, Resource or Terrestrial Sensitive Environment does not exist. There are a number of workers on site; however, the site appears entirely paved therefore even if an area of observed soil contamination was documented there would not be sufficient targets for the site to score greater than 28.5 on the HRS. Based on the information gathered and observations made during the facility inspection, Barth Smelting Corp. is not recommended for further assessment under CERCLA.

A copy of the Pre-CERCLIS screening has been included as Attachment D.

Thank you for your attention to this matter. Should you have any questions or comments, please feel free to contact me at (908) 329-6060 or ferguson@pennjerseyenv.com.

Sincerely yours,

Pennjersey Environmental Consulting



Rodger A. Ferguson, Jr., CHMM LSRP
President
Licensed Site Remediation Professional No. 574793

cc. Mr. Robert Chambers, Esq.
Mr. Christopher Guili
99 Chambers Street, LLC

Mr. Andrew B. Robins, Esq.
Sills Cummis, PC

Mr. William J. Reilly, Jr., Esq.
USEPA Region II

Enc.

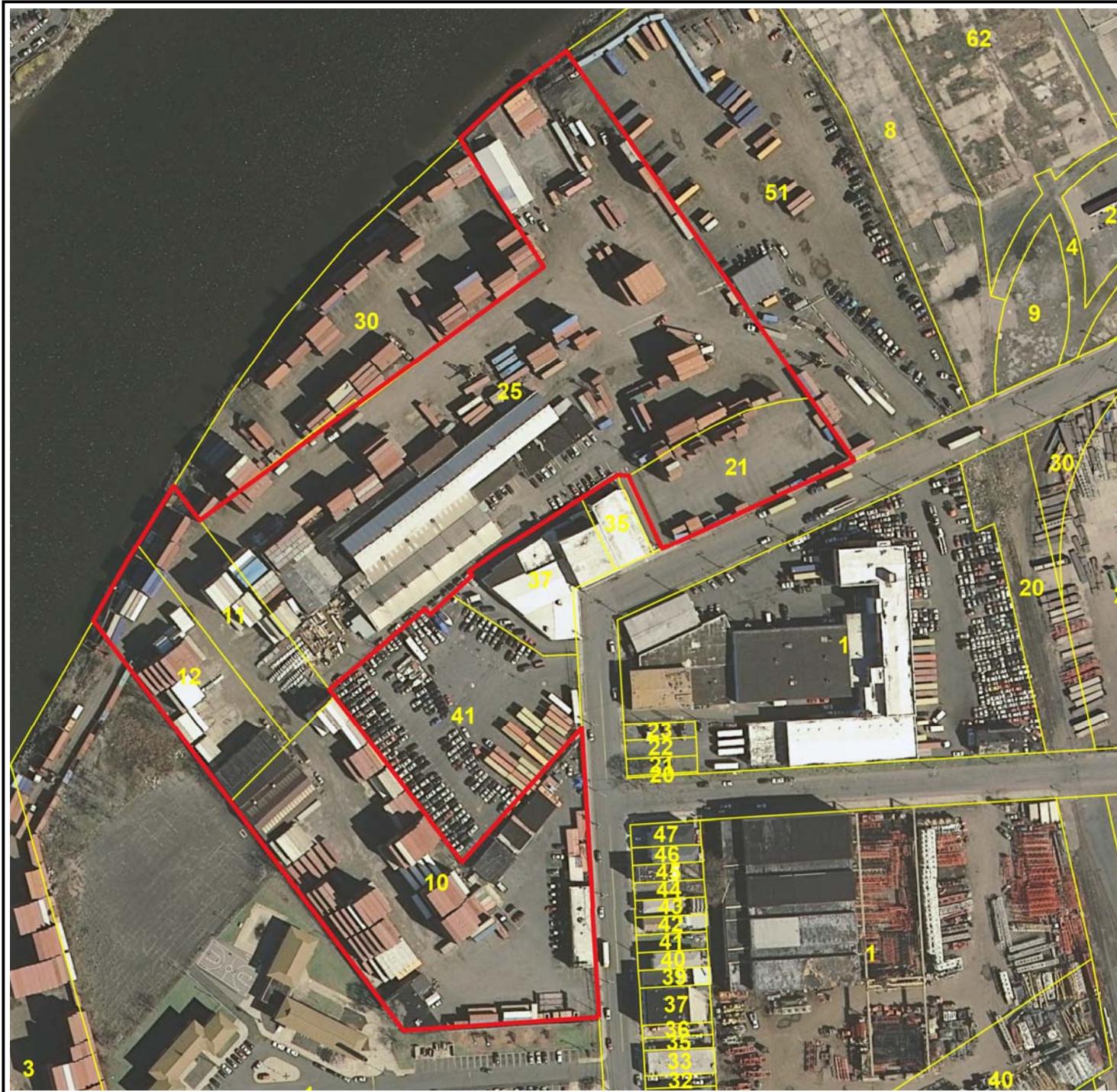
99 Chapel Street, LLC
January 15, 2013

Attachment A

Figures

Figure 1 2007 Aerial Photograph and Parcels

Figure 2 Soil Sample Summary



99 Chapel Street LLC
99 Chapel Street
City of Newark
Essex County
Block 2438
Lots 10-12, 21, 25



Property	
NewarkParcels	
2007 K6C9	

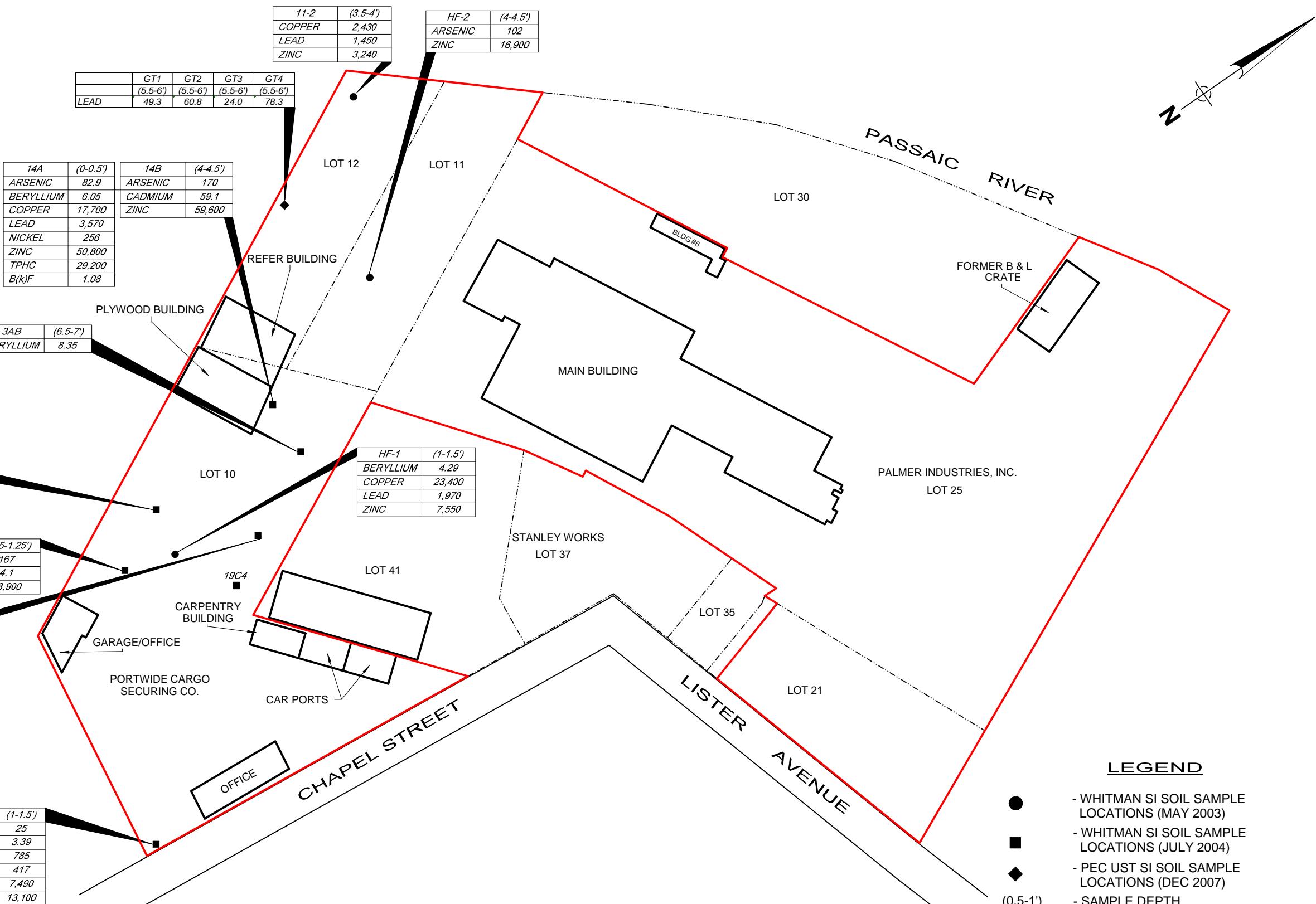
Figure 1
2007 Aerial & Parcels

0 80 160 240 320 400
 ft
 1 : 2,500

PEC

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	NJDEP SRS (2008)		
	RDC	NRDC	digW
mg/kg	mg/kg	mg/kg	mg/kg
B(a)A	0.6	2	0.5
B(b)A	0.6	2	2
B(k)F	6	23	16
B(a)P	0.2	0.2	0.2
TPHC	4,800	56,000	
ARSENIC	19	19	19
BERYLLIUM	16	140	0.5
CADMUM	78	78	1
COPPER	3,100	45,000	7,300
LEAD	400	800	59
ZINC	23,000	110,000	600



PEC

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99 Chapel Street, LLC
99 Chapel Street
City of Newark, Essex County
Block 2437 Lots 10-12, 25, 27

Lots 10-12
Soil Data Summary
1 inch = 125 feet
By: RAF 1/13/2012

2

- - WHITMAN SI SOIL SAMPLE LOCATIONS (MAY 2003)
- - WHITMAN SI SOIL SAMPLE LOCATIONS (JULY 2004)
- ◆ - PEC UST SI SOIL SAMPLE LOCATIONS (DEC 2007)
- (0.5-1') - SAMPLE DEPTH
- TPHC - TOTAL PETROLEUM HYDROCARBONS
- B(a)A - BENZO[a]ANTHRACENE
- B(b)F - BENZO[b]FLUORANTHENE
- B(k)F - BENZO[k]FLUORANTHENE
- B(a)P - BENZO[a]PYRENE
- PROPERTY BOUNDARY - PROPERTY BOUNDARY

Attachment B

Ownership/Operations Summary

Block 2442 Lots 10, 11, 12		
Year Purchased	Name of Grantee (Purchaser)	Name of Grantor (Seller)
2003	99 Chapel Street LLC	Chapel Street Partners
2000	Chapel Street Partners	Hug Holdings
1978	Hug Holdings	Ogden Alloys, Inc. (aka. Barth Smelting & Refining Works)
1960 (Lot 12?)	Barth Smelting & Refining Works	Atlan Soap Works, Inc.
1954 (Lot 11?)	Barth Smelting & Refining Works	Atlan Soap Works, Inc.
1942 (Lots 11 & 12)	Atlan Soap Works, Inc.	General Lead Batteries Co.
1941(Lot 10)	Barth Smelting & Refining Works	General Lead Batteries Co.
1919	General Lead Batteries Co.	The NJ Zinc Co.

Block 2442 Lots 10, 11, 12			
Name of Operator	Operations Conducted	From	To
Food Trucks LLC/Trophy Trucks	Parking Trucks and Trailers Lots 11 & 12	2012	present
Dowd Trucking	Trailer Storage and Office Lot 10	2011	present
Columbia Container	Trailer Storage	2008	2010
World Wide Management	Offices Lot 10	1984	present
Industrial Waste Technologies, Inc. & Filter Flat Environmental	Offices Lot 10 2004, 1995	?	?
Lee & Palmer	Office Lot 10	1978	1988
Canal Sanitation	Unknown	?	?
Columbia Container	Shipping Container Storage	2003	2008
99 Chapel Street LLC	Offices Lot 10	2003	present
Black Bullet Transport, Inc.	Parking and Office Lot 10	1991	2001
Wide Range Tire Co.	Tire Repair Lot 10	1992	2000
John Hug Attorney	Office Lot 10	1978	1988
Chapel Street Partners	Offices Lot 10	2000	2003
Law Office of Robert Chambers	Office Lot 10	1998	present
Portwide Cargo Securing Co., Inc.	Offices & Storage	1978	present
A.G. Ship Maintenance Corp.	Offices Lot 10	1978	present
Bay Container	Offices Lot 10	1978	present
Palmer Industries Inc.	Shipping Container Storage	1978	2003
Hug Holdings	Office Lot 10	1978	1988
Simon Hugo Metals	Unknown 1970	?	?
Barth Smelting & Refining Works	Non Ferrous Metal Smelting, Bronze & Brass Ingots	1941	pre 1978
Atlan Soap Works, Inc.	Tallow & Grease	1942	1960
General Lead Batteries Co.	Storage Battery Manufacturer	1919	1942
New Jersey Zinc & Iron Company	Metal Smelting	?	1919

99 Chapel Street, LLC
January 15, 2013

Attachment C

Soil Data and Logs

Sample ID:				HF-1			HF-2			11-3			19C3			19C1A			19C2			
Lab ID (IAL):				04143-001			04143-002			07280-002			07280-006			07280-003			07280-005			
Sample Date:				05/14/2003			05/14/2003			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				1.0-1.5			4.0-4.5			1 - 1.5			0.75 - 1.25			0.75 - 1.25			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg		mg/kg
Volatiles																						
Chloromethane	4	12			NA			NA			U	0.613			U	0.701		NA			NA	
Vinyl Chloride	0.7	2	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Bromomethane	25	59	0.03		NA			NA			U	0.613			U	0.701		NA			NA	
Chloroethane	220	1,100			NA			NA			U	0.613			U	0.701		NA			NA	
Trichlorofluoromethane	23,000	340,000	22		NA			NA			U	0.613			U	0.701		NA			NA	
Acrolein	0.5	1	0.5		NA			NA			U	1.23			U	1.40		NA			NA	
1,1-Dichloroethene	11	150	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Methylene Chloride	34	97	0.007		NA			NA			U	0.613			U	0.701		NA			NA	
Acrylonitrile	0.9	3	0.5		NA			NA			U	1.23			U	1.40		NA			NA	
trans-1,2-Dichloroethene	300	720	0.4		NA			NA			U	0.613			U	0.701		NA			NA	
1,1-Dichloroethane	8	24	0.2		NA			NA			U	0.613			U	0.701		NA			NA	
cis-1,2-Dichloroethene	230	560	0.2		NA			NA			U	0.613			U	0.701		NA			NA	
Chloroform	0.6	2	0.2		NA			NA			U	0.613			U	0.701		NA			NA	
1,1,1-Trichloroethane	290	4,200	0.2		NA			NA			U	0.613			U	0.701		NA			NA	
Carbon Tetrachloride	0.6	2	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
1,2-Dichloroethane	0.9	3	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Benzene	2	5	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Trichloroethene	7	20	0.007		NA			NA			U	0.613			U	0.701		NA			NA	
1,2-Dichloropropane	2	5	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Bromodichloromethane	1	3	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
2-Chloroethylvinyl Ether					NA			NA			U	0.613			U	0.701		NA			NA	
cis-1,3-Dichloropropene	2	7	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Toluene	6,300	91,000	4		NA			NA			U	0.613			U	0.701		NA			NA	
trans-1,3-Dichloropropene	2	7	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
1,1,2-Trichloroethane	2	6	0.01		NA			NA			U	0.613			U	0.701		NA			NA	
Tetrachloroethene	2	5	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Dibromochloromethane	3	8	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
Chlorobenzene	510	7,400	0.4		NA			NA			U	0.613			U	0.701		NA			NA	
Ethylbenzene	7,800	110,000	8		NA			NA			U	0.613			U	0.701		NA			NA	
Total Xylenes	12,000	170,000	12		NA			NA			U	0.613			U	0.701		NA			NA	
Bromoform	81	280	0.02		NA			NA			U	0.613			U	0.701		NA			NA	
1,1,2-Tetrachloroethane	1	3	0.005		NA			NA			U	0.613			U	0.701		NA			NA	
TOTAL VO's:					NA			NA			0			0			NA			NA		
TOTAL TIC's:					NA			NA			0			0			NA			NA		
TOTAL VO's & TIC's:					NA			NA			0			0			NA			NA		
Semivolatiles - BN																						
N-Nitrosodimethylamine	0.7	0.7	0.7		U	0.107		U	0.113		U	0.200			NA			NA			NA	
Aniline					U	0.107		U	0.113		U	0.200			NA			NA			NA	
bis(2-Chloroethyl)ether	0.4	2	0.2		U	0.107		U	0.113		U	0.200			NA			NA			NA	
1,3-Dichlorobenzene	5,300	59,000	12		U	0.107		U	0.113		U	0.200</td										

Sample ID:				HF-1			HF-2			11-3			19C3			19C1A			19C2			
Lab ID (IAL):				04143-001			04143-002			07280-002			07280-006			07280-003			07280-005			
Sample Date:				05/14/2003			05/14/2003			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				1.0-1.5			4.0-4.5			1 - 1.5			0.75 - 1.25			0.75 - 1.25			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg		mg/kg
1,2-Dichlorobenzene	5,300	59,000	11		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
bis(2-chloroisopropyl)ether	23	67	3		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
N-Nitroso-di-n-propylamine	0.2	0.3	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Hexachloroethane	35	140	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Nitrobenzene	31	340	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Isophorone	510	2,000	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
bis(2-Chloroethoxy)methane					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
1,2,4-Trichlorobenzene	73	820	0.4		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Naphthalene	6	17	16		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
4-Chloroaniline					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Hexachlorobutadiene	6	25	0.6		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
2-Methylnaphthalene	230	2,400	5		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Hexachlorocyclopentadiene	45	110	210		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
2-Chloronaphthalene					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
2-Nitroaniline					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Dimethylphthalate					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
2,6-Dinitrotoluene	0.7	3	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Acenaphthylene		300,000			U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
3-Nitroaniline					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Acenaphthene	3,400	37,000	74		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
2,4-Dinitrotoluene	0.7	3	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Dibenzofuran					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Diethylphthalate	49,000	550,000	57		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Fluorene	2,300	24,000	110		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
4-Chlorophenyl-phenylether					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
4-Nitroaniline					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
N-Nitrosodiphenylamine	99	390	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
1,2-Diphenylhydrazine	0.7	2	0.7		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
4-Bromophenyl-phenylether					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Hexachlorobenzene	0.3	1	0.2		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Phenanthrene		300,000			U	0.107	0.134	0.113	0.142	J	0.200		NA			NA			NA		NA	
Anthracene	17,000	30,000	1,500		U	0.107	0.07	J	0.113		U	0.200		NA			NA			NA		NA
Carbazole	24	96			U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Di-n-butylphthalate	6,100	68,000	620		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Fluoranthene	2,300	24,000	840		U	0.107	0.64	0.113	0.294		0.200		NA			NA			NA		NA	
Benzidine	0.7	0.7	0.7		U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Pyrene	1,700	18,000	550		U	0.107	0.464	0.113	0.352		0.200		NA			NA			NA		NA	
3,3'-Dimethylbenzidine					U	0.107		U	0.113		U	0.200		NA			NA			NA		NA
Butyl																						

Sample ID:				HF-1			HF-2			11-3			19C3			19C1A			19C2			
Lab ID (IAL):				04143-001			04143-002			07280-002			07280-006			07280-003			07280-005			
Sample Date:				05/14/2003			05/14/2003			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				1.0-1.5			4.0-4.5			1 - 1.5			0.75 - 1.25			0.75 - 1.25			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg		mg/kg
Di-n-octylphthalate	2,400	27,000	3,300		U	0.107		U	0.113		U	0.200		NA		NA		NA		NA		NA
Benzo[b]fluoranthene	0.6	2	2		U	0.107	0.348		0.113	0.169	J	0.200		NA		NA		NA		NA		NA
Benzo[k]fluoranthene	6	23	16		U	0.107	0.316		0.113	0.193	J	0.200		NA		NA		NA		NA		NA
Benzo[a]pyrene	0.2	0.2	0.2		U	0.107	0.388		0.113	0.197	J	0.200		NA		NA		NA		NA		NA
Indeno[1,2,3-cd]pyrene	0.6	2	5		U	0.107	0.215		0.113	0.122	J	0.200		NA		NA		NA		NA		NA
Dibenz[a,h]anthracene	0.2	0.2	0.5		U	0.107	0.083		0.113		U	0.200		NA		NA		NA		NA		NA
Benzo[g,h,i]perylene	380,000	30,000			U	0.107	0.24		0.113	0.176	J	0.200		NA		NA		NA		NA		NA
TOTAL BN'S:					0.256		3.848			2.10	J			NA		NA		NA		NA		NA
TOTAL TIC's:					0		0			0				NA		NA		NA		NA		NA
TOTAL BN'S & TIC's:					0.256		3.848			2.10	J			NA		NA		NA		NA		NA
Semivolatiles - BNA																						
N-Nitrosodimethylamine	0.7	0.7	0.7		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Phenol	18,000	210,000	5		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Aniline					NA		NA		NA		NA			U	0.202		NA		NA		NA	
bis(2-Chloroethyl)ether	0.4	2	0.2		NA		NA		NA		NA			U	0.202		NA		NA		NA	
2-Chlorophenol	310	2,200	0.5		NA		NA		NA		NA			U	0.202		NA		NA		NA	
1,3-Dichlorobenzene	5,300	59,000	12		NA		NA		NA		NA			U	0.202		NA		NA		NA	
1,4-Dichlorobenzene	5	13	1		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Benzyl alcohol					NA		NA		NA		NA			U	0.202		NA		NA		NA	
1,2-Dichlorobenzene	5,300	59,000	11		NA		NA		NA		NA			U	0.202		NA		NA		NA	
2-Methylphenol	310	3,400			NA		NA		NA		NA			U	0.202		NA		NA		NA	
bis(2-chloroisopropyl)ether	23	67	3		NA		NA		NA		NA			U	0.202		NA		NA		NA	
4-Methylphenol	31	340			NA		NA		NA		NA			U	0.202		NA		NA		NA	
N-Nitroso-di-n-propylamine	0.2	0.3	0.2		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Hexachloroethane	35	140	0.2		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Nitrobenzene	31	340	0.2		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Isophorone	510	2,000	0.2		NA		NA		NA		NA			U	0.202		NA		NA		NA	
2-Nitrophenol					NA		NA		NA		NA			U	0.202		NA		NA		NA	
2,4-Dimethylphenol	1,200	14,000	0.7		NA		NA		NA		NA			U	0.202		NA		NA		NA	
bis(2-Chloroethoxy)methane					NA		NA		NA		NA			U	0.202		NA		NA		NA	
Benzoic acid					NA		NA		NA		NA			U	0.202		NA		NA		NA	
2,4-Dichlorophenol	180	2,100	0.2		NA		NA		NA		NA			U	0.202		NA		NA		NA	
1,2,4-Trichlorobenzene	73	820	0.4		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Naphthalene	6	17	16		NA		NA		NA		NA			U	0.202		NA		NA		NA	
4-Chloroaniline					NA		NA		NA		NA			U	0.202		NA		NA		NA	
Hexachlorobutadiene	6	25	0.6		NA		NA		NA		NA			U	0.202		NA		NA		NA	
4-Chloro-3-methylphenol					NA		NA		NA		NA			U	0.202		NA		NA		NA	
2-Methylnaphthalene	230	2,400	5		NA		NA		NA		NA			U	0.202		NA		NA		NA	
Hexachlorocyclopentadiene	45	110	210		NA		NA		NA		NA			U	0.202		NA		NA		NA	
2,4,6-Trichlorophenol	19	74	0.2																			

Sample ID:				HF-1			HF-2			11-3			19C3			19C1A			19C2			
Lab ID (IAL):				04143-001			04143-002			07280-002			07280-006			07280-003			07280-005			
Sample Date:				05/14/2003			05/14/2003			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				1.0-1.5			4.0-4.5			1 - 1.5			0.75 - 1.25			0.75 - 1.25			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg		mg/kg
Dimethylphthalate						NA			NA			NA			U	0.202		NA			NA	
2,6-Dinitrotoluene	0.7	3	0.2		NA			NA			NA			U	0.202		NA			NA		
Acenaphthylene		300,000			NA			NA			NA			U	0.202		NA			NA		
3-Nitroaniline					NA			NA			NA			U	0.202		NA			NA		
Acenaphthene	3,400	37,000	74		NA			NA			NA			U	0.202		NA			NA		
2,4-Dinitrophenol	120	1,400	0.3		NA			NA			NA			U	0.202		NA			NA		
4-Nitrophenol					NA			NA			NA			U	0.202		NA			NA		
2,4-Dinitrotoluene	0.7	3	0.2		NA			NA			NA			U	0.202		NA			NA		
Dibenzofuran					NA			NA			NA			U	0.202		NA			NA		
Diethylphthalate	49,000	550,000	57		NA			NA			NA			U	0.202		NA			NA		
Fluorene	2,300	24,000	110		NA			NA			NA			U	0.202		NA			NA		
4-Chlorophenyl-phenylether					NA			NA			NA			U	0.202		NA			NA		
4-Nitroaniline					NA			NA			NA			U	0.202		NA			NA		
4,6-Dinitro-2-methylphenol	6	68	0.3		NA			NA			NA			U	0.202		NA			NA		
N-Nitrosodiphenylamine	99	390	0.2		NA			NA			NA			U	0.202		NA			NA		
1,2-Diphenylhydrazine	0.7	2	0.7		NA			NA			NA			U	0.202		NA			NA		
4-Bromophenyl-phenylether					NA			NA			NA			U	0.202		NA			NA		
Hexachlorobenzene	0.3	1	0.2		NA			NA			NA			U	0.202		NA			NA		
Pentachlorophenol	3	10	0.3		NA			NA			NA			U	0.202		NA			NA		
Phenanthrene		300,000			NA			NA			NA			0.126	J	0.202		NA		NA		
Anthracene	17,000	30,000	1,500		NA			NA			NA			U	0.202		NA			NA		
Carbazole	24	96			NA			NA			NA			U	0.202		NA			NA		
Di-n-butylphthalate	6,100	68,000	620		NA			NA			NA			U	0.202		NA			NA		
Fluoranthene	2,300	24,000	840		NA			NA			NA			0.198	J	0.202		NA		NA		
Benzidine	0.7	0.7	0.7		NA			NA			NA			U	0.202		NA			NA		
Pyrene	1,700	18,000	550		NA			NA			NA			0.169	J	0.202		NA		NA		
3,3'-Dimethylbenzidine					NA			NA			NA			U	0.202		NA			NA		
Butylbenzylphthalate	1,200	14,000	150		NA			NA			NA			U	0.202		NA			NA		
3,3'-Dichlorobenzidine	1	4	0.2		NA			NA			NA			U	0.202		NA			NA		
Benzo[a]anthracene	0.6	2	0.5		NA			NA			NA			U	0.202		NA			NA		
Chrysene	62	230	52		NA			NA			NA			0.139	J	0.202		NA		NA		
bis(2-Ethylhexyl)phthalate	35	140	790		NA			NA			NA			U	0.202		NA			NA		
Di-n-octylphthalate	2,400	27,000	3,300		NA			NA			NA			U	0.202		NA			NA		
Benzo[b]fluoranthene	0.6	2	2		NA			NA			NA			U	0.202		NA			NA		
Benzo[k]fluoranthene	6	23	16		NA			NA			NA			U	0.202		NA			NA		
Benzo[a]pyrene	0.2	0.2	0.2		NA			NA			NA			U	0.202		NA			NA		
Indeno[1,2,3-cd]pyrene	0.6	2	5		NA			NA			NA			U	0.202		NA			NA		
Dibenz[a,h]anthracene	0.2	0.2	0.5		NA			NA			NA			U	0.202		NA			NA		
Benzo[g,h,i]perylene	380,000	30,000			NA			NA			NA			U	0.202		NA			NA		
TOTAL BNA'S:								NA			NA			0.632	J		NA			NA		
TOTAL TIC's:								NA			NA			0			NA			NA		
TOTAL BNA'S & TIC's:								NA			NA			0.632	J		NA			NA		

Sample ID:				HF-1			HF-2			11-3			19C3			19C1A			19C2					
Lab ID (IAL):				04143-001			04143-002			07280-002			07280-006			07280-003			07280-005					
Sample Date:				05/14/2003			05/14/2003			07/30/2004			07/30/2004			07/30/2004			07/30/2004					
Sample Depth (ft bgs):				1.0-1.5			4.0-4.5			1 - 1.5			0.75 - 1.25			0.75 - 1.25			0.75 - 1.25					
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil					
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL			
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg		mg/kg		
PCB's																								
Aroclor-1016						NA			NA			NA			U	0.016		NA			NA			
Aroclor-1221						NA			NA			NA			U	0.016		NA			NA			
Aroclor-1232						NA			NA			NA			U	0.016		NA			NA			
Aroclor-1242						NA			NA			NA			U	0.016		NA			NA			
Aroclor-1248						NA			NA			NA			U	0.016		NA			NA			
Aroclor-1254						NA			NA			NA			0.117		0.016	NA			NA			
Aroclor-1260						NA			NA			NA				U	0.016		NA			NA		
Total Aroclors	0.2	1	0.2												0.117									
Pesticides																								
alpha-BHC	0.1	0.5	0.002			NA			NA			NA				NA			NA			NA		
beta-BHC	0.4	2	0.002			NA			NA			NA				NA			NA			NA		
gamma-BHC	0.4	2	0.002			NA			NA			NA				NA			NA			NA		
delta-BHC						NA			NA			NA				NA			NA			NA		
Heptachlor	0.1	0.7	0.3			NA			NA			NA				NA			NA			NA		
Aldrin	0.04	0.2	0.1			NA			NA			NA				NA			NA			NA		
Heptachlor Epoxide	0.07	0.3	0.009			NA			NA			NA				NA			NA			NA		
Endosulfan I	470	6,800	2			NA			NA			NA				NA			NA			NA		
4,4'-DDE	2	9	12			NA			NA			NA				NA			NA			NA		
Dieldrin	0.04	0.2	0.003			NA			NA			NA				NA			NA			NA		
Endrin	23	340	0.6			NA			NA			NA				NA			NA			NA		
Endosulfan II	470	6,800	2			NA			NA			NA				NA			NA			NA		
4,4'-DDD	3	13	3			NA			NA			NA				NA			NA			NA		
Endrin aldehyde						NA			NA			NA				NA			NA			NA		
Endosulfan sulfate	470	6,800	1			NA			NA			NA				NA			NA			NA		
4,4'-DDT	2	8	7			NA			NA			NA				NA			NA			NA		
Endrin Ketone						NA			NA			NA				NA			NA			NA		
Methoxychlor	390	5,700	100			NA			NA			NA				NA			NA			NA		
Metals																								
Antimony	31	450	6			U	1.08	1.42		1.14			U	1.09			U	1.08	1.60		1.10		U	1.10
Arsenic	19	19	19	4.74		1.08	102	1.14	25.0		1.09	68.4			1.08	167		1.10	31.8		1.10			
Beryllium	16	140	0.5	4.28		0.540	1.63	0.570	3.39		0.546	5.78			0.539	4.10		0.552	2.77		0.551			
Cadmium	78	78	1	7.06		0.270	1.8	0.285	4.94		0.273	2.04			0.269	10.2		0.276	1.89		0.275			
Chromium				35.5		2.16	17.9	2.28	11.8		2.18	11.0			2.15	6.70		2.21	29.3		2.20			
Copper	3,100	45,000	7,300	23,400		21.6	206	2.28	785		2.18	27.8			2.15	101		2.21	190		2.20			
Lead	400	800	59	1,970		0.54	40	0.57	417		0.546	61.0			0.539	184		0.552	103		0.551			
Mercury	23	65	0.1	0.138		0.013			U	0.014	0.314		0.014	0.157		0.014	0.211		0.014	0.252		0.014		
Nickel	1,600	23,000	31	87.4		1.08	17.1	1.14	33.5		1.09	20.3			1.08	19.8		1.10	34.1		1.10			
Selenium	390	5,700	7			U	2.16	3.55	2.25	2.43		2.18	2.38			2.15	2.98		2.21			U	2.20	
Silver	390	5,700	1	3.85	</td																			

Sample ID:				HF-1			HF-2			11-3			19C3			19C1A			19C2			
Lab ID (IAL):				04143-001			04143-002			07280-002			07280-006			07280-003			07280-005			
Sample Date:				05/14/2003			05/14/2003			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				1.0-1.5			4.0-4.5			1 - 1.5			0.75 - 1.25			0.75 - 1.25			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg		mg/kg
General Analytical																						
Cyanide, Total	1,600	23,000	13		NA			NA			NA			NA			NA				NA	
Total Recoverable Phenols					NA			NA			NA			NA			NA				NA	
Total Petroleum Hydrocarbons	4,800	56,000			NA			NA		13100		442		294		25.0		U	25.0		U	25.0

Sample ID:				3AA			3AB			14A			14B			11-2			19C4			
Lab ID (IAL):				07280-008			07280-009			07280-018			07280-019			07280-001			07280-007			
Sample Date:				07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				0.5 - 1			6.5 - 7			0 - 0.5			4 - 4.5			3.5 - 4			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg	mg/kg		mg/kg	
Volatiles																						
Chloromethane	4	12			U	0.512		NA			U	0.573		NA			NA			NA		
Vinyl Chloride	0.7	2	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Bromomethane	25	59	0.03		U	0.512		NA			U	0.573		NA			NA			NA		
Chloroethane	220	1,100			U	0.512		NA			U	0.573		NA			NA			NA		
Trichlorofluoromethane	23,000	340,000	22		U	0.512		NA			U	0.573		NA			NA			NA		
Acrolein	0.5	1	0.5		U	1.02		NA			U	1.15		NA			NA			NA		
1,1-Dichloroethene	11	150	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Methylene Chloride	34	97	0.007		U	0.512		NA			U	0.573		NA			NA			NA		
Acrylonitrile	0.9	3	0.5		U	1.02		NA			U	1.15		NA			NA			NA		
trans-1,2-Dichloroethene	300	720	0.4		U	0.512		NA			U	0.573		NA			NA			NA		
1,1-Dichloroethane	8	24	0.2		U	0.512		NA			U	0.573		NA			NA			NA		
cis-1,2-Dichloroethene	230	560	0.2		U	0.512		NA			U	0.573		NA			NA			NA		
Chloroform	0.6	2	0.2		U	0.512		NA			U	0.573		NA			NA			NA		
1,1,1-Trichloroethane	290	4,200	0.2		U	0.512		NA			U	0.573		NA			NA			NA		
Carbon Tetrachloride	0.6	2	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
1,2-Dichloroethane	0.9	3	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Benzene	2	5	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Trichloroethene	7	20	0.007		U	0.512		NA			U	0.573		NA			NA			NA		
1,2-Dichloropropane	2	5	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Bromodichloromethane	1	3	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
2-Chloroethylvinyl Ether					U	0.512		NA			U	0.573		NA			NA			NA		
cis-1,3-Dichloropropene	2	7	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Toluene	6,300	91,000	4		U	0.512		NA		0.272	J	0.573		NA			NA			NA		
trans-1,3-Dichloropropene	2	7	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
1,1,2-Trichloroethane	2	6	0.01		U	0.512		NA			U	0.573		NA			NA			NA		
Tetrachloroethene	2	5	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Dibromochloromethane	3	8	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
Chlorobenzene	510	7,400	0.4		U	0.512		NA			U	0.573		NA			NA			NA		
Ethylbenzene	7,800	110,000	8		U	0.512		NA			U	0.573		NA			NA			NA		
Total Xylenes	12,000	170,000	12		U	0.512		NA		0.300	J	0.573		NA			NA			NA		
Bromoform	81	280	0.02		U	0.512		NA			U	0.573		NA			NA			NA		
1,1,2-Tetrachloroethane	1	3	0.005		U	0.512		NA			U	0.573		NA			NA			NA		
TOTAL VO's:				0				NA		0.572				NA			NA			NA		
TOTAL TIC's:				16.6				NA		2.95				NA			NA			NA		
TOTAL VO's & TIC's:				16.6				NA		3.52				NA			NA			NA		
Semivolatiles - BN																						
N-Nitrosodimethylamine	0.7	0.7	0.7		NA			NA			U	0.205		NA			NA			NA		
Aniline					NA			NA			U	0.205		NA			NA			NA		
bis(2-Chloroethyl)ether	0.4	2	0.2		NA			NA			U	0.205		NA			NA			NA		
1,3-Dichlorobenzene	5,300	59,000	12		NA			NA			U	0.205		NA			NA					

Sample ID:				3AA			3AB			14A			14B			11-2			19C4			
Lab ID (IAL):				07280-008			07280-009			07280-018			07280-019			07280-001			07280-007			
Sample Date:				07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				0.5 - 1			6.5 - 7			0 - 0.5			4 - 4.5			3.5 - 4			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg	mg/kg		mg/kg	
1,2-Dichlorobenzene	5,300	59,000	11		NA			NA		U	0.205		NA			NA			NA		NA	
bis(2-chloroisopropyl)ether	23	67	3		NA			NA		U	0.205		NA			NA			NA		NA	
N-Nitroso-di-n-propylamine	0.2	0.3	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
Hexachloroethane	35	140	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
Nitrobenzene	31	340	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
Isophorone	510	2,000	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
bis(2-Chloroethoxy)methane					NA			NA		U	0.205		NA			NA			NA		NA	
1,2,4-Trichlorobenzene	73	820	0.4		NA			NA		U	0.205		NA			NA			NA		NA	
Naphthalene	6	17	16		NA			NA		U	0.205		NA			NA			NA		NA	
4-Chloroaniline					NA			NA		U	0.205		NA			NA			NA		NA	
Hexachlorobutadiene	6	25	0.6		NA			NA		U	0.205		NA			NA			NA		NA	
2-Methylnaphthalene	230	2,400	5		NA			NA		U	0.205		NA			NA			NA		NA	
Hexachlorocyclopentadiene	45	110	210		NA			NA		U	0.205		NA			NA			NA		NA	
2-Chloronaphthalene					NA			NA		U	0.205		NA			NA			NA		NA	
2-Nitroaniline					NA			NA		U	0.205		NA			NA			NA		NA	
Dimethylphthalate					NA			NA		U	0.205		NA			NA			NA		NA	
2,6-Dinitrotoluene	0.7	3	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
Acenaphthylene		300,000			NA			NA		U	0.205		NA			NA			NA		NA	
3-Nitroaniline					NA			NA		U	0.205		NA			NA			NA		NA	
Acenaphthene	3,400	37,000	74		NA			NA		U	0.205		NA			NA			NA		NA	
2,4-Dinitrotoluene	0.7	3	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
Dibenzofuran					NA			NA		U	0.205		NA			NA			NA		NA	
Diethylphthalate	49,000	550,000	57		NA			NA		U	0.205		NA			NA			NA		NA	
Fluorene	2,300	24,000	110		NA			NA		U	0.205		NA			NA			NA		NA	
4-Chlorophenyl-phenylether					NA			NA		U	0.205		NA			NA			NA		NA	
4-Nitroaniline					NA			NA		U	0.205		NA			NA			NA		NA	
N-Nitrosodiphenylamine	99	390	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
1,2-Diphenylhydrazine	0.7	2	0.7		NA			NA		U	0.205		NA			NA			NA		NA	
4-Bromophenyl-phenylether					NA			NA		U	0.205		NA			NA			NA		NA	
Hexachlorobenzene	0.3	1	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
Phenanthrene		300,000			NA			NA		U	0.205		NA			NA			NA		NA	
Anthracene	17,000	30,000	1,500		NA			NA		U	0.205		NA			NA			NA		NA	
Carbazole	24	96			NA			NA		U	0.205		NA			NA			NA		NA	
Di-n-butylphthalate	6,100	68,000	620		NA			NA		U	0.205		NA			NA			NA		NA	
Fluoranthene	2,300	24,000	840		NA			NA		0.591	0.205		NA			NA			NA		NA	
Benzidine	0.7	0.7	0.7		NA			NA		U	0.205		NA			NA			NA		NA	
Pyrene	1,700	18,000	550		NA			NA		1.72	0.205		NA			NA			NA		NA	
3,3'-Dimethylbenzidine					NA			NA		0.190	J	0.205			NA			NA		NA		
Butylbenzylphthalate	1,200	14,000	150		NA			NA		U	0.205		NA			NA			NA		NA	
3,3'-Dichlorobenzidine	1	4	0.2		NA			NA		U	0.205		NA			NA			NA		NA	
Benzo[a]anthracene	0.6	2	0.5		NA			NA		0.494	0.205		NA			NA			NA		NA	
Chrysene	62	230	52		NA			NA		0.561	0.205											

Sample ID:				3AA			3AB			14A			14B			11-2			19C4				
Lab ID (IAL):				07280-008			07280-009			07280-018			07280-019			07280-001			07280-007				
Sample Date:				07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004				
Sample Depth (ft bgs):				0.5 - 1			6.5 - 7			0 - 0.5			4 - 4.5			3.5 - 4			0.75 - 1.25				
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil				
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL		
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg	mg/kg		mg/kg		
Di-n-octylphthalate	2,400	27,000	3,300		NA			NA		U	0.205		NA		NA		NA		NA		NA		
Benzo[b]fluoranthene	0.6	2	2		NA			NA		0.439	0.205		NA		NA		NA		NA		NA		
Benzo[k]fluoranthene	6	23	16		NA			NA		1.08	0.205		NA		NA		NA		NA		NA		
Benzo[a]pyrene	0.2	0.2	0.2		NA			NA		0.566	0.205		NA		NA		NA		NA		NA		
Indeno[1,2,3-cd]pyrene	0.6	2	5		NA			NA		0.218	0.205		NA		NA		NA		NA		NA		
Dibenz[a,h]anthracene	0.2	0.2	0.5		NA			NA			U	0.205		NA		NA		NA		NA		NA	
Benzo[g,h,i]perylene	380,000	30,000			NA			NA		0.700	0.205		NA		NA		NA		NA		NA		
TOTAL BN'S:					NA			NA		13.5			NA		NA		NA		NA		NA		
TOTAL TIC's:					NA			NA		11.5			NA		NA		NA		NA		NA		
TOTAL BN'S & TIC's:					NA			NA		25.0			NA		NA		NA		NA		NA		
Semivolatiles - BNA																							
N-Nitrosodimethylamine	0.7	0.7	0.7		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Phenol	18,000	210,000	5		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Aniline					U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
bis(2-Chloroethyl)ether	0.4	2	0.2		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
2-Chlorophenol	310	2,200	0.5		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
1,3-Dichlorobenzene	5,300	59,000	12		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
1,4-Dichlorobenzene	5	13	1		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Benzyl alcohol					U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
1,2-Dichlorobenzene	5,300	59,000	11		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
2-Methylphenol	310	3,400			U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
bis(2-chloroisopropyl)ether	23	67	3		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
4-Methylphenol	31	340			U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
N-Nitroso-di-n-propylamine	0.2	0.3	0.2		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Hexachloroethane	35	140	0.2		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Nitrobenzene	31	340	0.2		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Isophorone	510	2,000	0.2		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
2-Nitrophenol					U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
2,4-Dimethylphenol	1,200	14,000	0.7		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
bis(2-Chloroethoxy)methane					U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Benzoic acid					U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
2,4-Dichlorophenol	180	2,100	0.2		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
1,2,4-Trichlorobenzene	73	820	0.4		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Naphthalene	6	17	16		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
4-Chloroaniline					U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Hexachlorobutadiene	6	25	0.6		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
4-Chloro-3-methylphenol					U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
2-Methylnaphthalene	230	2,400	5		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
Hexachlorocyclopentadiene	45	110	210		U	0.224		U	0.222		NA		NA		NA		NA		NA		NA		
2,4,6-Trichlorophenol	19																						

Sample ID:				3AA			3AB			14A			14B			11-2			19C4			
Lab ID (IAL):				07280-008			07280-009			07280-018			07280-019			07280-001			07280-007			
Sample Date:				07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				0.5 - 1			6.5 - 7			0 - 0.5			4 - 4.5			3.5 - 4			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg	mg/kg		mg/kg	
Dimethylphthalate					U	0.224		U	0.222		NA			NA			NA			NA		NA
2,6-Dinitrotoluene	0.7	3	0.2		U	0.224		U	0.222		NA			NA			NA			NA		NA
Acenaphthylene		300,000			U	0.224		U	0.222		NA			NA			NA			NA		NA
3-Nitroaniline					U	0.224		U	0.222		NA			NA			NA			NA		NA
Acenaphthene	3,400	37,000	74		U	0.224		U	0.222		NA			NA			NA			NA		NA
2,4-Dinitrophenol	120	1,400	0.3		U	0.224		U	0.222		NA			NA			NA			NA		NA
4-Nitrophenol					U	0.224		U	0.222		NA			NA			NA			NA		NA
2,4-Dinitrotoluene	0.7	3	0.2		U	0.224		U	0.222		NA			NA			NA			NA		NA
Dibenzofuran					U	0.224		U	0.222		NA			NA			NA			NA		NA
Diethylphthalate	49,000	550,000	57		U	0.224		U	0.222		NA			NA			NA			NA		NA
Fluorene	2,300	24,000	110		U	0.224		U	0.222		NA			NA			NA			NA		NA
4-Chlorophenyl-phenylether					U	0.224		U	0.222		NA			NA			NA			NA		NA
4-Nitroaniline					U	0.224		U	0.222		NA			NA			NA			NA		NA
4,6-Dinitro-2-methylphenol	6	68	0.3		U	0.224		U	0.222		NA			NA			NA			NA		NA
N-Nitrosodiphenylamine	99	390	0.2		U	0.224		U	0.222		NA			NA			NA			NA		NA
1,2-Diphenylhydrazine	0.7	2	0.7		U	0.224		U	0.222		NA			NA			NA			NA		NA
4-Bromophenyl-phenylether					U	0.224		U	0.222		NA			NA			NA			NA		NA
Hexachlorobenzene	0.3	1	0.2		U	0.224		U	0.222		NA			NA			NA			NA		NA
Pentachlorophenol	3	10	0.3		U	0.224		U	0.222		NA			NA			NA			NA		NA
Phenanthrone		300,000		1.63		0.224		U	0.222		NA			NA			NA			NA		NA
Anthracene	17,000	30,000	1,500	0.468		0.224		U	0.222		NA			NA			NA			NA		NA
Carbazole	24	96		0.222	J	0.224		U	0.222		NA			NA			NA			NA		NA
Di-n-butylphthalate	6,100	68,000	620		U	0.224		U	0.222		NA			NA			NA			NA		NA
Fluoranthene	2,300	24,000	840	2.37		0.224		U	0.222		NA			NA			NA			NA		NA
Benzidine	0.7	0.7	0.7		U	0.224		U	0.222		NA			NA			NA			NA		NA
Pyrene	1,700	18,000	550	1.64		0.224		U	0.222		NA			NA			NA			NA		NA
3,3'-Dimethylbenzidine					U	0.224		U	0.222		NA			NA			NA			NA		NA
Butylbenzylphthalate	1,200	14,000	150		U	0.224		U	0.222		NA			NA			NA			NA		NA
3,3'-Dichlorobenzidine	1	4	0.2		U	0.224		U	0.222		NA			NA			NA			NA		NA
Benzo[a]anthracene	0.6	2	0.5	1.25		0.224		U	0.222		NA			NA			NA			NA		NA
Chrysene	62	230	52	1.36		0.224		U	0.222		NA			NA			NA			NA		NA
bis(2-Ethylhexyl)phthalate	35	140	790		U	0.224		U	0.222		NA			NA			NA			NA		NA
Di-n-octylphthalate	2,400	27,000	3,300		U	0.224		U	0.222		NA			NA			NA			NA		NA
Benzo[b]fluoranthene	0.6	2	2	0.926		0.224		U	0.222		NA			NA			NA			NA		NA
Benzo[k]fluoranthene	6	23	16	1.23		0.224		U	0.222		NA			NA			NA			NA		NA
Benzo[a]pyrene	0.2	0.2	0.2	1.27		0.224		U	0.222		NA			NA			NA			NA		NA
Indeno[1,2,3-cd]pyrene	0.6	2	5	0.464		0.224		U	0.222		NA			NA			NA			NA		NA
Dibenz[a,h]anthracene	0.2	0.2	0.5	0.208	J	0.224		U	0.222		NA			NA			NA			NA		NA
Benzo[g,h,i]perylene	380,000	30,000		0.459		0.224		U	0.222		NA			NA			NA			NA		NA
TOTAL BNA'S:				13.5																		

Sample ID:				3AA			3AB			14A			14B			11-2			19C4			
Lab ID (IAL):				07280-008			07280-009			07280-018			07280-019			07280-001			07280-007			
Sample Date:				07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			07/30/2004			
Sample Depth (ft bgs):				0.5 - 1			6.5 - 7			0 - 0.5			4 - 4.5			3.5 - 4			0.75 - 1.25			
Matrix:	NJDEP SRS (2008)			Soil			Soil			Soil			Soil			Soil			Soil			
	RDC	NRDC	dIGW	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	
	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	mg/kg		mg/kg		mg/kg	mg/kg		mg/kg		mg/kg
General Analytical																						
Cyanide, Total	1,600	23,000	13		U	1.13		U	1.15		NA			NA			NA			NA		NA
Total Recoverable Phenols					U	2.82		U	2.89		NA			NA			NA			NA		NA
Total Petroleum Hydrocarbons	4,800	56,000		59.9		25.0	502		25.0	29200		862	57.9		25.0		U	25.0		U	25.0	

Client : CHAPEL STREET			
Project No. : 03-01-02			
Site Location :		Newark, New Jersey	Date :
7/30/04			
Drilling Co. : ACORN DP			
Method : Direct Push			
Geologist/Sampler : EC			
Total Depth :		12'	Water Depth: 7.0'



Log of Boring

3A

Sheet

Depth ft.	PID (ppm)	Recovery (inches)	SAMPLE ID	Soil Classification		Remarks
1			3AA	Concrete Black Sand, some silt.		
2						
3						
4						
5				Green Stone with Sand, trace silt.		
6						
7			3AB			
8						
9						
10				Gray Clay. Meadow Mat.		Petroleum odor.
11						
12						
13						
14						
15						

Environmental Engineering & Management

Client :	CHAPEL STREET		
Project No. :	03-01-02		
Site Location :	Newark, New Jersey	Date :	7/30/04
Drilling Co. :	ACORN DP		
Method :	Direct Push		
Geologist/Sampler :	EC		
Total Depth :	12'	Water Depth:	



Log of Boring

11-2

Sheet

Depth ft.	PID (ppm)	Recovery (inches)	SAMPLE ID	Soil Classification	Remarks
				Black Sand, some silt and brick frags.	
1	0				
2	0				
3	0				
4	0		11-2	Loose Rock and green Silt.	
5	0				
6	0				
7	0				
8	0				
9	0				
10	0			Meadow Mat.	
11					
12					
13					
14					
15					

Environmental Engineering & Management

Client : CHAPEL STREET		
Project No. : 03-01-02		
Site Location :	Newark, New Jersey	Date :
Drilling Co. :	ACORN DP	
Method :	Direct Push	
Geologist/Sampler :	EC	
Total Depth :	12'	Water Depth: 5.5'



Log of Boring

11-3

Sheet

Depth ft.	PID (ppm)	Recovery (inches)	SAMPLE ID	Soil Classification	Remarks
1	2		11-3	Asphalt. Brown/Black fine Sand, some silt. Green rock.	
2	1				
3	0				
4	0			Brown fine to medium Sand, little silt.	
5	0				
6	0				
7	0				
8	0				
9	0				
10					
11	0				
12					
13					
14					
15					

Environmental Engineering & Management

Client : CHAPEL STREET			
Project No. : 03-01-02			
Site Location :		Newark, New Jersey	Date :
Drilling Co. : ACORN DP			
Method : Direct Push			
Geologist/Sampler : EC			
Total Depth :		8'	Water Depth: 6'



Log of Boring

14

Sheet

Depth ft.	PID (ppm)	Recovery (inches)	SAMPLE ID	Soil Classification	Remarks
1				Black Sand and Silt, some coal frags and brick. (0-1' oily)	
2					
3					
4					
5				Green Sand.	
6					
7					
8				Grey Silt.	
9					
10					
11					
12					
13					
14					
15					

Environmental Engineering & Management

Client : CHAPEL STREET			
Project No. : 03-01-02			
Site Location :		Newark, New Jersey	Date :
7/30/04			
Drilling Co. : ACORN DP			
Method : Direct Push			
Geologist/Sampler : EC			
Total Depth :		8'	Water Depth: 7.5'



Log of Boring

19C-1

Sheet

Depth ft.	PID (ppm)	Recovery (inches)	SAMPLE ID	Soil Classification	Remarks
1			19C-1A	Concrete Black Sand, some silt. (2.5' rock frags., reddish tan material)	
2					
3					
4					
5			19C-1B	Brown Silt, little fine sand.	
6					
7				Brown Sand, little silt.	
8					
9					
10					
11					
12					
13					
14					
15					

Environmental Engineering & Management

Client : CHAPEL STREET

Project No. : 03-01-02

Site Location : Newark, New Jersey Date : 7/30/04

Drilling Co. : ACORN DP

Method : Direct Push

Geologist/Sampler : FC

Total Depth : 8' Water Depth: 7.5'



Log of Boring

19C-2

Sheet

Depth ft.	PID (ppm)	Recovery (Inches)	SAMPLE ID	Soil Classification	Remarks
1			19C-2	Concrete	
2				Black Sand, some silt.	
3				Brown Silt, little fine sand.	
4					
5					
6				Brown Sand, little silt.	
7					
8					
9					
10					
11					
12					
13					
14					
15					

Environmental Engineering & Management

Client : CHAPEL STREET

Project No. : 03-01-02

Site Location : Newark, New Jersey Date : 7/30/04

Drilling Co. : ACORN DP

Method : Direct Push

Geologist/Sampler : EC

Total Depth : 8' Water Depth: 7.5'



Log of Boring

19C-3

Sheet

Depth ft.	PID (ppm)	Recovery (inches)	SAMPLE ID	Soil Classification	Remarks
1			19C-3	Concrete Black Sand, some silt.	
2					
3					
4				Green Rock with Sand.	
5					
6				Coal Frags.	
7				Brown Sand, some silt.	
8					
9					
10					
11					
12					
13					
14					
15					

Environmental Engineering & Management

Client : CHAPEL STREET			
Project No. : 03-01-02			
Site Location :	Newark, New Jersey	Date :	7/30/04
Drilling Co. :	ACORN DP		
Method :	Direct Push		
Geologist/Sampler :	EC		
Total Depth :	8'	Water Depth:	7.5'



Log of Boring

19C-4

Sheet

Depth ft.	PID (ppm)	Recovery (inches)	SAMPLE ID	Soil Classification	Remarks
				19C-4	
1				Concrete	
2				Brown Sand and Silt.	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Environmental Engineering & Management

Subsurface Log

Client: **99 Chapel Street LLC**
 Site ID: **99 Chapel Street**
 Address: **99 Chapel Street, Newark, New Jersey**
 Logged by: **Michael S. Brogan**
 Driller/Excavator: **EMC**

Start Date: 12/18/2007 End Date: 12/18/2007			Depths: water: 6' total: 6'			Location ID: GT1 Method: Trowel
<i>Depth</i> (feet, bgs)	<i>PID</i>	<i>Color</i>	<i>Classification</i>	<i>Sample</i>		<i>Comments</i>
				<i>Length</i>	<i>Recovery</i>	
--- 0-5.5	0	brown/grey	SAND & GRAVEL			fill material, slag
--- 5.5-6.0	0	brown/grey	SAND & GRAVEL			slight odor

Start Date: 12/18/2007 End Date: 12/18/2007			Depths: water: 6' total: 6'			Location ID: GT2 Method: Trowel
<i>Depth</i> (feet, bgs)	<i>PID</i>	<i>Color</i>	<i>Classification</i>	<i>Sample</i>		<i>Comments</i>
				<i>Length</i>	<i>Recovery</i>	
--- 0-5.5	0	brown/grey	SAND & GRAVEL			fill material, slag
--- 5.5-6.0	0	brown/grey	SAND & GRAVEL			slight odor

Start Date: 12/18/2007 End Date: 12/18/2007			Depths: water: 6' total: 6'			Location ID: GT3 Method: Trowel
<i>Depth</i> (feet, bgs)	<i>PID</i>	<i>Color</i>	<i>Classification</i>	<i>Sample</i>		<i>Comments</i>
				<i>Length</i>	<i>Recovery</i>	
--- 0-5.5	0	brown/grey	SAND & GRAVEL			fill material, slag
--- 5.5-6.0	0	brown/grey	SAND & GRAVEL			slight odor

Start Date: 12/18/2007 End Date: 12/18/2007			Depths: water: 6' total: 6'			Location ID: GT4 Method: Trowel
<i>Depth</i> (feet, bgs)	<i>PID</i>	<i>Color</i>	<i>Classification</i>	<i>Sample</i>		<i>Comments</i>
				<i>Length</i>	<i>Recovery</i>	
--- 0-5.5	0	brown/grey	SAND & GRAVEL			fill material, slag
--- 5.5-6.0	0	brown/grey	SAND & GRAVEL			slight odor

99 Chapel Street, LLC
January 15, 2013

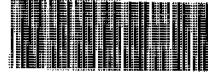
Attachment D

May 2012 Pre-CERCLIS Screening Memo

*Special Ynterstine! Smelter Activities
-Unrecognized Smelter per 2001 Report*

PRE-CERCLIS SCREENING DATA ENTRY FORM

SDMS Document



129837

EPA I.D. NUMBER: NJN008010373

FORM ISSUED DATE:

NAME OF FACILITY: Barth Smelting Corp.

AKA: Barth Smelting & Refining Corp.

STREET: 9 Fredon Street (99 Chapel Street)

) Correct address for site

CITY: Newark City COUNTY: Essex STATE: New Jersey ZIP CODE: 07105

LATITUDE: 40.736185

Indicate + for Northern Hemisphere

LONGITUDE: -74.140862

Indicate - for Western Hemisphere

Accuracy feet: +/- 4

Collection method: GIS

Reference datum: NAD83

Reference point: Center point of facility

Source map scale: 1:2,400

Point/line/area: Point

Collection date: April 26, 2012

Verification method:

Source: NJDEP GIS 2007 High Resolution orthophotography

NPL STATUS: NA

SITE TYPE MAIN CATEGORIES: Manufacturing/processing/maintenance

SITE TYPE MAIN SUBCATEGORIES: Primary metals/mineral processing

SITE DESCRIPTION:

Barth Smelting Corp. was listed as an unrecognized Battery Lead Smelter site within Appendix A of a paper titled "Discovering Unrecognized Lead-Smelting Sites by Historical Methods" written by William Eckel et al., and published in the American Journal of Public Health, April 2001, Volume 91, Issue #4 (Eckel Report). In the Eckel Report Barth Smelting Corp. was listed as operating at 9 Fredon Street, Newark, New Jersey.

The NJDEP confirmed that Barth Smelting Corp. did not operate at the listed 9 Fredon address, but rather at the 99 Chapel Street address.

Barth Smelting Corp., AKA Barth Smelting & Refining Corp., operated on site (Block 2442, Lot 10) from at least 1946 until approximately 1982 and produced brass and bronze ingots and also worked with non-ferrous metals. Reviews of Sanborn Fire Insurance Maps suggest the site area has been industrialized since the late 1800's. Prior operators include General Lead Batteries (manufacturer of storage batteries) and the New Jersey Zinc Co. The site is currently paved or developed, is fenced,

and operated by AG Ship Maintenance Corp., Portwide Cargo Securing Co. and Lee & Palmer, Inc. The nearest residential area is an apartment complex operated by the City of Newark Housing Authority located adjacently south. A playground /grass-covered play area is located just over the fence/wall separating the two properties. Additional residential properties are located across Chapel Street to the east. The site was evaluated only for HRS purposes for a discharge to soil. A Resident Individual, Resident Population, Resource or Terrestrial Sensitive Environment does not exist. There are a number of workers on site; however, the site appears entirely paved therefore even if an area of observed soil contamination was documented there would not be sufficient targets for the site to score greater than 28.5 on the HRS. Based on the information gathered and observations made during the facility inspection, Barth Smelting Corp. is not recommended for further assessment under CERCLA.

Checklist preparer: Andrew J. Cyr *Frank force for AC*
Print name/signature

Title: SRTS

Date: May 4, 2012

Address: 380 Scotch Road
Ewing, New Jersey 08628

Phone Number: 609-530-2474

E-mail address: Andrew.cyr@dep.state.nj.us

Regional EPA Reviewer: James Desir *James Desir*
Print name/signature

5/25/12

Date

INFORMATION FOR ENTERING PRE-CERCLIS SCREENING ACTION:

- | | |
|--------------------------|--|
| 1) OU Field: | 2) Action Name: PRE-CERCLIS SCREENING |
| 3) Lead: | 4) Actual Completion Date: <u>5/25/12</u>
(ENTER THE DATE OF THE EPA CONCURRENCE SIGNATURE ON
SITE RECOMMENDATION PAGE OF PRE-CERCLIS SCREENING
FORM) |
| 5) Non-NPL Status Field: | Not a Valid Site or Incident <input checked="" type="checkbox"/>
Not a Valid Site or Incident: RCRA Lead
Not a Valid Site or Incident: NRC Lead
Not a Valid Site or Incident: State Lead
Not a Valid Site or Incident: Tribal Lead |



State of New Jersey

CHRIS CHRISTIE
Governor

Kim Guadagno
Lt. Governor

Department of Environmental Protection
Site Remediation Program
Bureau of Environmental Measurements and Site Assessment
380-01
PO Box 420
Trenton, New Jersey 08625-0420
(609) 530-2474

Bob Martin
Commissioner

M E M O R A N D U M

To: Frank Sorce, Supervisor, NJDEP, BEMSA

From: Andrew Cyr, NJDEP, BEMSA

AJC 5/4/12

Subject: Investigation Summary
Barth Smelting Corp
Smelting Site # 3
99 Chapel Street
Block 2442, Lot 10
Newark, Essex County, New Jersey

Barth Smelting Corp. was listed as an unrecognized Battery Lead Smelter site within Appendix A of a paper titled "Discovering Unrecognized Lead-Smelting Sites by Historical Methods" written by William Eckel et al., and published in the American Journal of Public Health, April 2001, Volume 91, Issue #4 (Eckel Report). In the Eckel Report Barth Smelting Corp. was listed as operating at 9 Fredon Street, Newark, New Jersey.

The NJDEP Responsible Party Investigation Unit (RPIU) reported that they could not confirm that Barth Smelting Corp. operated at the 9 Ferdon Street; however they reported that Barth Smelting had a facility at 99-129 Chapel Street, Newark in the 1940s-1950s. The investigation did indicate that Barth Smelting Corp operated at 99 Chapel Street. All of the following information is related to the Chapel Street address and not the Ferdon Street location. The site has been listed as being located at Block 2442, Lot 10. However, review of historical documentation suggests that Bath Smelting Corp.'s operations may have extended onto adjacent lots 11 and 12.

As part of the evaluation of this former smelter site an aerial photograph review was conducted using the NJDEP GIS and the web site www.historicaerials.com. In addition a

review of the New Jersey Industrial Directories and historic Sanborn Fire Insurance Maps was conducted.

Upon review of a 1931 aerial photograph there appears to be three buildings on site. The area south of the site is undeveloped vacant land. Upon review of a 1954 aerial photograph there appears to be five buildings on site, the three original buildings noted and two others (small building located along the eastern side of the saw-toothed roofed building and another located along Chapel Street). Use at the time could not be determined, but a plume of smoke is clearly visible emanating from on-site and traveling over the apartment building complex located adjacently south.

Little change is noted in a 1966 aerial photograph. The site appears to be fenced along its southern and western sides (apartment complex side). Material or an overgrown area is visible along the southern boundary of the site. Sometime between 1970 and 1979, the two main buildings were demolished. A 1979 aerial photograph depicts two on-site buildings, the one building remaining along Chapel Street, a smaller building located at the southern edge of the site and a third potentially located at the northwest corner of the site. The remainder of the site appears paved/gravel covered. Several storage trailers are also visible throughout the site. A 1987 photograph shows little change of the buildings, however many more trailers are stored and stacked on site. Little change noted in aerial photographs dated 2002, 2006 and 2008. Aerial photos taken in 2010 show a marked decrease in the number trailers stored on site. The site appears fenced along the southern side (apartment complex side) and entirely paved or built.

Review of New Jersey Industrial Directories suggests that Barth Smelting and Refining Co., Inc. operated on site from at least 1946 until approximately 1982. A 1982 NJ Industrial Directory indicates that Barth Smelting & Refining Corp. produced brass and bronze ingots and also worked with non-ferrous metals, listed SIC was 3341. A 1958-1959 Industrial Directory indicates that Barth Smelting & Refining Works occupied 99-129 Chapel Street.

Review of Sanborn Fire Insurance Maps for the 99 Chapel Street address revealed the following:

1892 Sanborn Map (Vol. 4 Sheet 351)

Review of the 1892 Sanborn Map indicates that the area of the site is operated by The New Jersey Zinc Co. Numerous buildings are depicted including a machine shop, crusher house, tin shop, bag houses, engine room, stock house, casting houses and others. It appears that operations of the New Jersey Zinc Co. extended to the south and west. The former Morris Canal is depicted as the southern boundary of the Sheet. Structures of the New Jersey Zinc Co. were located within 200 feet of the northern edge of the canal.

Operations appear to have occurred on what is currently a Public Housing Complex operated by the Newark Housing Authority.

1908 Sanborn Map (Vol. 1 Sheet 91)

Little change from the previous Sanborn Map, the area of the site is operated by The New Jersey Zinc Co. Based on the Sanborn maps most if not all of the structures associated with the New Jersey Zinc Co. were demolished sometime before General Lead Batteries began operations.

1930 Sanborn Map (Vol. 8 Sheet 831)

Review of the 1931 Sanborn Map indicates the site was operated by the General Lead Batteries Co. for the manufacture of storage batteries. On-site structures included two factory buildings and a warehouse with an earthen floor. A gas tank (GT) is depicted east of the warehouse building. It appears that operations may have extended to the north east onto current Block 2442, Lots 11 and 12. The property located to the south is depicted as being vacant. Review of documentation suggests that General Lead operated on-site from at least 1920s to at least 1941.

1950 Sanborn Map (Vol. 8 Sheet 831)

Review of the 1950 Sanborn Fire Insurance map depicts Barth Smelting and Refining Co., Inc. on current Block 2442, Lot 10. On site buildings include two factory buildings, a warehouse, with an earthen floor, and a welding shop. There are several other neighboring facilities depicted within the area including Stanley Tools, a soap works, a boat yard and a manufacturer of contracting equipment. Depicted south of the site are the Franklin D. Roosevelt Homes, an apartment complex with eleven apartment buildings and a recreation hall.

1973 Sanborn Map (Vol. 8 Sheet 831)

The 1974 Sanborn Map depicts additional structures including an office building along Chapel Street, a scale house and another building along the southwest boundary of the site. The Map does depict a 6-foot wire fence between Barth Smelting Corp. and the adjacent apartment complex.

1989 Sanborn Map (Vol. 8 Sheet 831)

The 1988 Sanborn Map does not depict Barth Smelting on site. The two factory buildings are removed and the property is listed as being operated by Portwide Cargo Securing Co., Palmer Industries and A.G. Ship Maintenance Co.

A NJEMS review indicated that Chapel Street LLC located at 99 Chapel Street, Newark received an Area of Concern Unrestricted Use NFA for the removal of one 550-gallon leaded gasoline UST and one 15,000-gallon heating oil UST. The Block and Lots

associated with this AOC NFA were listed as Bl. 2224 (believed to be Block 2442), Lot 12 and Block 2437, Lot 25. There was a NJEMS listing for Canal Sanitation operating a hazardous waste hauling business on site; however, a March 15, 2002 NJDEP compliance evaluation indicated that Canal Sanitation only transported solid waste and that the 99 Chapel Street address was only their mailing address.

An internet review ("Google") suggests the following businesses operate at this address: AG Ship Maintenance, Bay Container Repairs of NJ, Portwide Cargo, Robert F. Chambers Law Office and Worldwide Management Group Trust. A search on the EPA website indicated that 99 Chapel Street LLC has an EPA ID # NJD986582401. In addition the US EPA Envirofacts Report state that Ogden Metals Inc. was associated with this the 99 Chapel Street address, however the status listed was permanently closed, and no records were found in the NJDEP files reviewed indicating that Ogden Metals operated on site. Search of the EPA website also revealed that Barth Smelting & Refining was listed in a 1977 EPA Report titled "Improvement of New Jersey NEDS Emission Inventory" under County 1380 and Plant ID 0035.

An area recon conducted on April 26, 2012 confirmed that the site is fenced along the southern and western sides (Apartment Complex) and along Chapel Street. There are residential properties to the south (the apartment complex operated by the Newark Housing Authority) and to the east, across Chapel Street. A playground area, associated with the apartment complex is located adjacent to the site. The playground area is grass covered.

The former Barth Smelter Corp. site is currently owned by Chapel Street Partners whose address is 99 Chapel Street Newark, NJ 07105.

**Barth Smelting Corp.
99 Chapel Street
Newark, Essex County, New Jersey**

Attached Investigative Documents

Maps:

1. Area Map
2. Newark City Tax Map Block 2442, Lot 10
- 3A. Sanborn Fire Insurance Map (1908)
- 3B. Former Structure Coverage Map
- 3C. Sanborn Fire Insurance Map (1930)
- 3D. Sanborn Fire Insurance Map (1950)
4. Robinsons' Atlas of City of Newark Vol. 3 Plate 10 (1927)

Photographs:

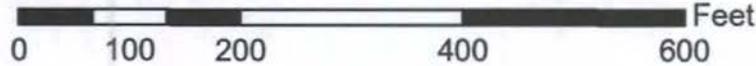
References:

- A. Property Information Block 2442, Lot 10, www.etalxmaps.com
- B. New Jersey Industrial Directories: years 1982, 1970, 1964, 1958-59, 1949 and 1946
- C. Google Maps listing for 99 Chapel Street Newark, New Jersey

MAPS



2007 aerial photograph



MAP-1

Barth Smelting Corp.
99 Chapel Street
Newark, Essex County, New Jersey

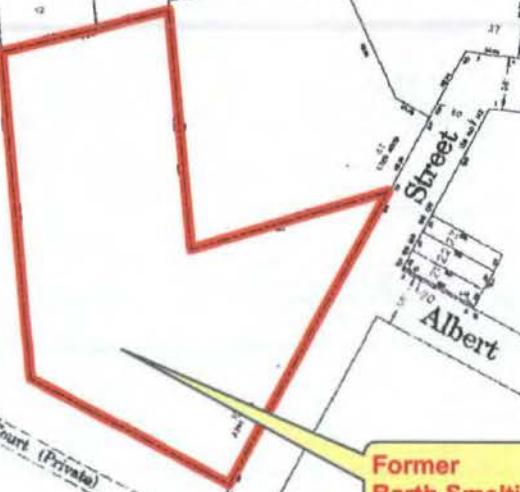


HUDSON COUNTY
ESSEX COUNTY
PASSAIC

U.S. GOVERNMENT
STREET

2442

2437



Former
Barth Smelting Corp.
Site

M O R R I S

C A N A L

ymond

B E D

Street

Boulev
Chapel

2461

Source: www.ETaxMaps.com

Lister
Street
Albert

2445

Barth Smelting Corp.
99 Chapel Street
Newark, Essex County, New Jersey

City of Newark Tax Map
Block 2442, Lot 10

MAP-2

RAIL (6)

2448

2451

Manufacturers Branch

Cornelia

2448

2448

R Co. of N.J.

2452

Street

EPA**EPA GENERATOR ID NUMBER FORM (INTERNAL USE)**

Alternative ID Numbers for Non-Standard Facilities

(Complete both sides)

ENVIRONMENTAL PROTECTION
AGENCY REGION II

2002 MAY 22 PM 4:55

RC Date 5/2/02

BRANCH

EPA Number (Leave Blank)

NJ008010373

Name of Handler

Barth Smelting Corp

Installation

Contact

n/a

Title

n/a

Phone

n/a

Facility Location

Street

9 Fendon St

City

Newark

State

NJ

Zip 07105-3010

County Essex

County Code 013

METRO

Mailing Address

Street

n/a

City

n/a

State

Zip

Phone

Installation's Legal Owner

Company

n/a

Street

n/a

City

State

Zip

County

County Code

Phone number

Land Type

P

Owner Type P (See reverse for Land/Owner Type)

Handler Type (Circle Only One)

U UST facility

F Transporter Shipping Waste From Out of State or Out of Country (Foreign) Generators -
Use Transporter's primary ID, if any, in Secondary ID Field.

Transporter's Primary ID:

 ... Waste Oil Facility S Solid Waste Facility Doing Work Under EPA Oversight (e.g., firing ranges under §7003 Order) N Non-Handler - inspected as a potential non-notifier, but verified to be a non-handler of hazardous waste

HW Generator Status

RCRA Reg. Status

(Enter R for F-type handlers [see previous page] or N for other facility types)

RCRA Reg. Desc. Other

State Status = State Waste Only? Yes No

Materials involved and quantity _____

Generator Status Code

1	Conditionally Exempt Small Quantity Generator
2	Definitionally Excluded Wastes
3	Delisted Wastes
4	One-time Hazardous Waste Generator
5	Periodic Hazardous Waste Generator

6	No Longer Generates HW; Still In Business
7	No Longer Generates HW; Out of Business
8	Never Generated Hazardous Waste
9	ID Number to Transport Non-hazardous Waste
10	Regulated Under Other ID Number(s) [List Below]

ID Requested By:

Name Phil Clappin Branch RCB Extension X 4129

** Please notify handler as soon as ID Number is assigned.

Comments

Smelting Initiative, no facility at site

Land/Owner Type Codes

Land Type: Using the codes listed below, indicate the code which best describes the current legal status of the land on which the installation is located:

F = Federal

S = State

I = Indian

P = Private

C = County

M = Municipal*

D = District

O = Other

* Note: If the Owner Type is best described as Indian, County, or District, please use those codes. Otherwise, use Municipal for both Land and Owner Type.

EPA**EPA GENERATOR ID NUMBER FORM (INTERNAL USE)**

Alternative ID Numbers for Non-Standard Facilities

(Complete both sides)

ENVIRONMENTAL PROTECTION
AGENCY, REGION II

2002 MAY 22 PM 4:55

RCRA ID#

7/2/02

BRANCH

EPA Number (Leave Blank)

NJ008010373

Name of Handler

Barth Smelting Corp

Installation

Contact

n/a

Title

n/a

Phone

n/a

Facility Location

Street

9 Fardon St.

City

Newark

State

NJ

Zip 07105-3010

County

Essex

County Code 013

METRO

Mailing Address

Street

n/a

City

n/a

State

Zip

Phone

Installation's Legal Owner

Company

n/a

Street

n/a

City

State

Zip

County

County Code

Phone number

Land Type Owner Type (See reverse for Land/Owner Type)Handler Type (Circle Only One)

U UST facility

F Transporter Shipping Waste From Out of State or Out of Country (Foreign) Generators -
Use Transporter's primary ID, if any, in Secondary ID Field.

Transporter's Primary ID: _____

 ... Waste Oil FacilityS Solid Waste Facility Doing Work Under EPA Oversight (e.g., firing ranges under §7003
Order) N Non-Handler - inspected as a potential non-notifier, but verified to be a non-handler of
hazardous waste

HW Generator StatusRCRA Reg. Status

(Enter R for F-type handlers [see previous page] or N for other facility types)

RCRA Reg. Desc. Other State Status = State Waste Only? Yes No

Materials involved and quantity _____

Generator Status Code

1	Conditionally Exempt Small Quantity Generator
2	Definitionally Excluded Wastes
3	De-listed Wastes
4	One-time Hazardous Waste Generator
5	Periodic Hazardous Waste Generator

6	No Longer Generates HW; Still In Business
7	No Longer Generates HW; Out of Business
8	Never Generated Hazardous Waste
9	ID Number to Transport Non-hazardous Waste
10	Regulated Under Other ID Number(s) [List Below]

ID Requested By:

Name Phil Clappin Branch RCB Extension X 4129

** Please notify handler as soon as ID Number is assigned.

Comments

Smelting Initiative, no facility at site

Land/Owner Type Codes

Land Type: Using the codes listed below, indicate the code which best describes the current legal status of the land on which the installation is located:

F = Federal

S = State

I = Indian

P = Private

C = County

M = Municipal

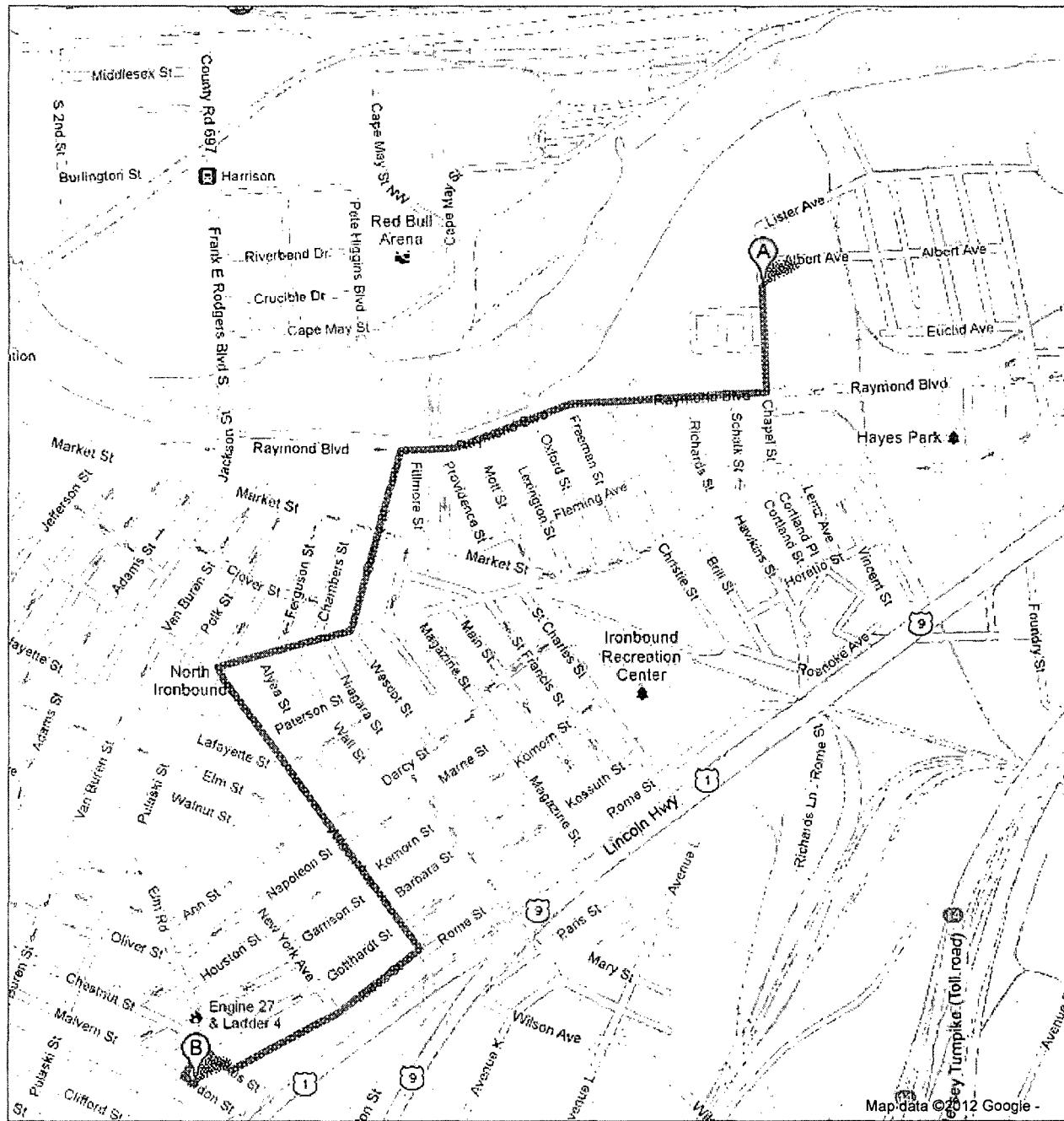
D = District

O = Other

* Note: If the Owner Type is best described as Indian, County, or District, please use those codes. Otherwise, use Municipal for both Land and Owner Type.

Google

To see all the details that are visible on the screen, use the "Print" link next to the map.



Driving directions to 9 Ferdon St, Newark, NJ 07105

A 99 Chapel St
Newark, NJ 07105

-
1. Head south on Chapel St toward Beaman Plaza/Riverview Ct
 2. Take the 3rd right onto Raymond Blvd
 3. Turn left onto Somme St
 4. Turn right onto Ferry St
 5. Turn left onto Wilson Ave
 6. Turn right onto Jabez St
 7. Turn right onto Backus St
 8. Take the 1st left onto Wheeler Point Rd
 9. Take the 1st left onto Ferdon St

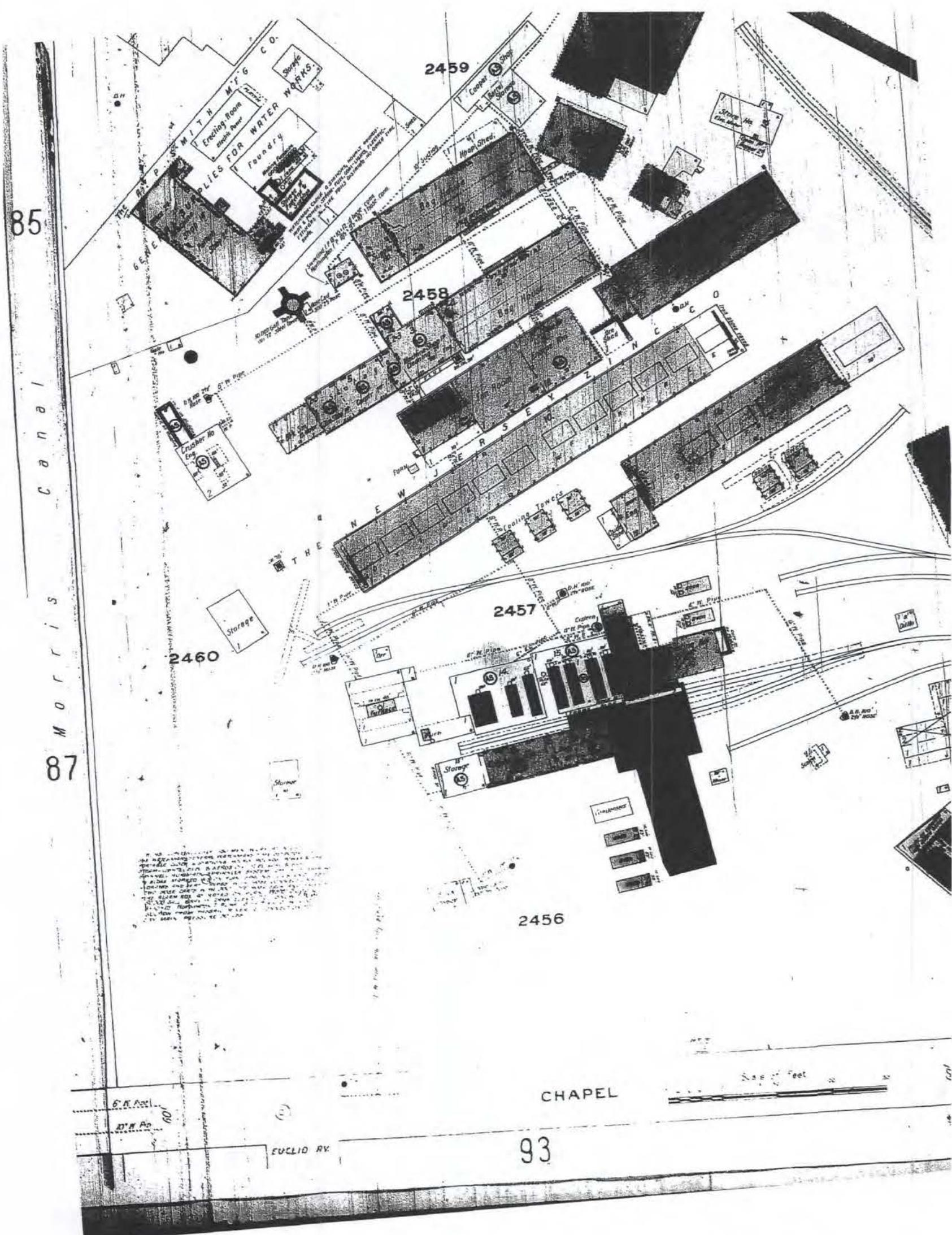
Destination will be on the right



B 9 Ferdon St
Newark, NJ 07105

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2012 Google



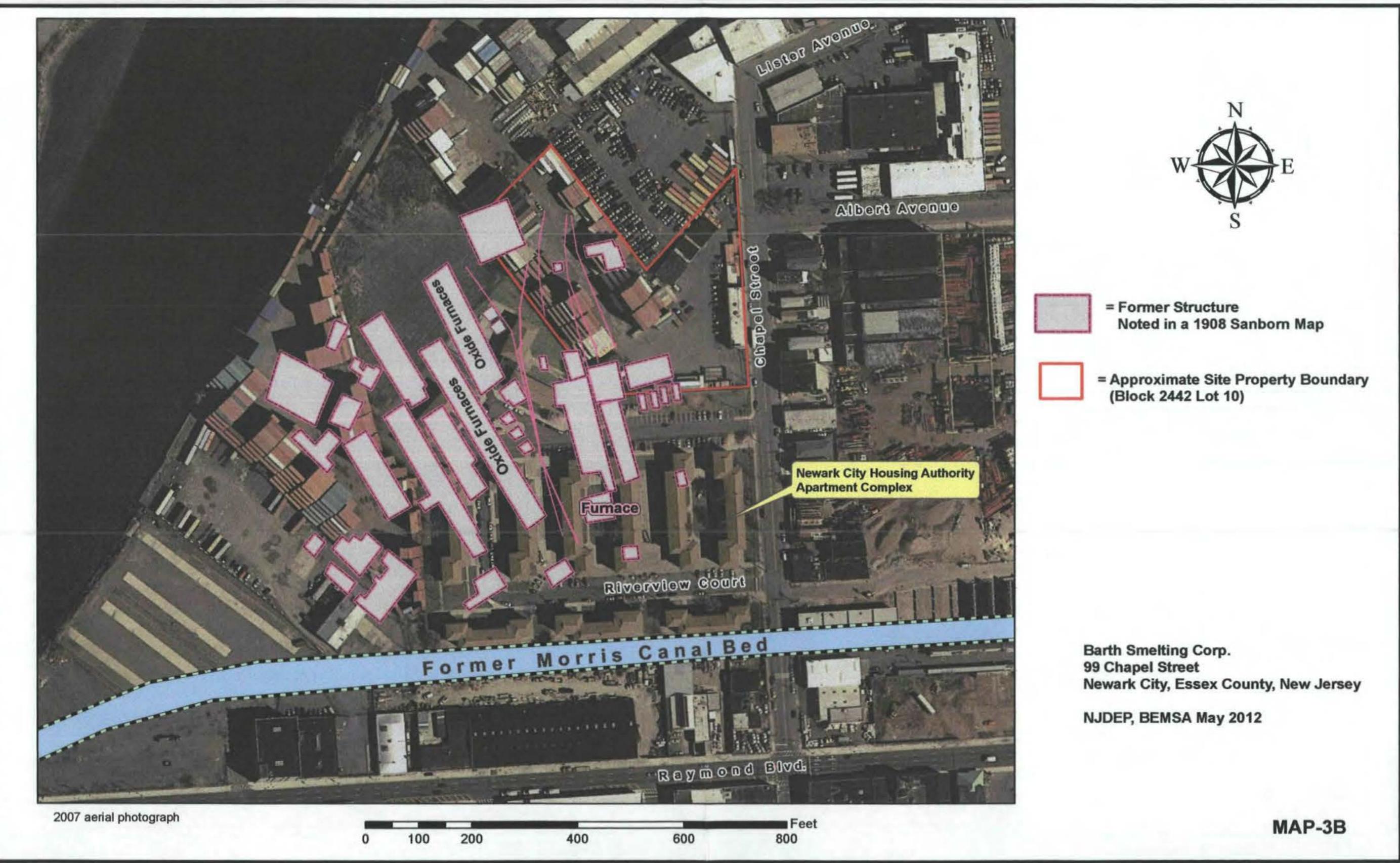
Not To Scale

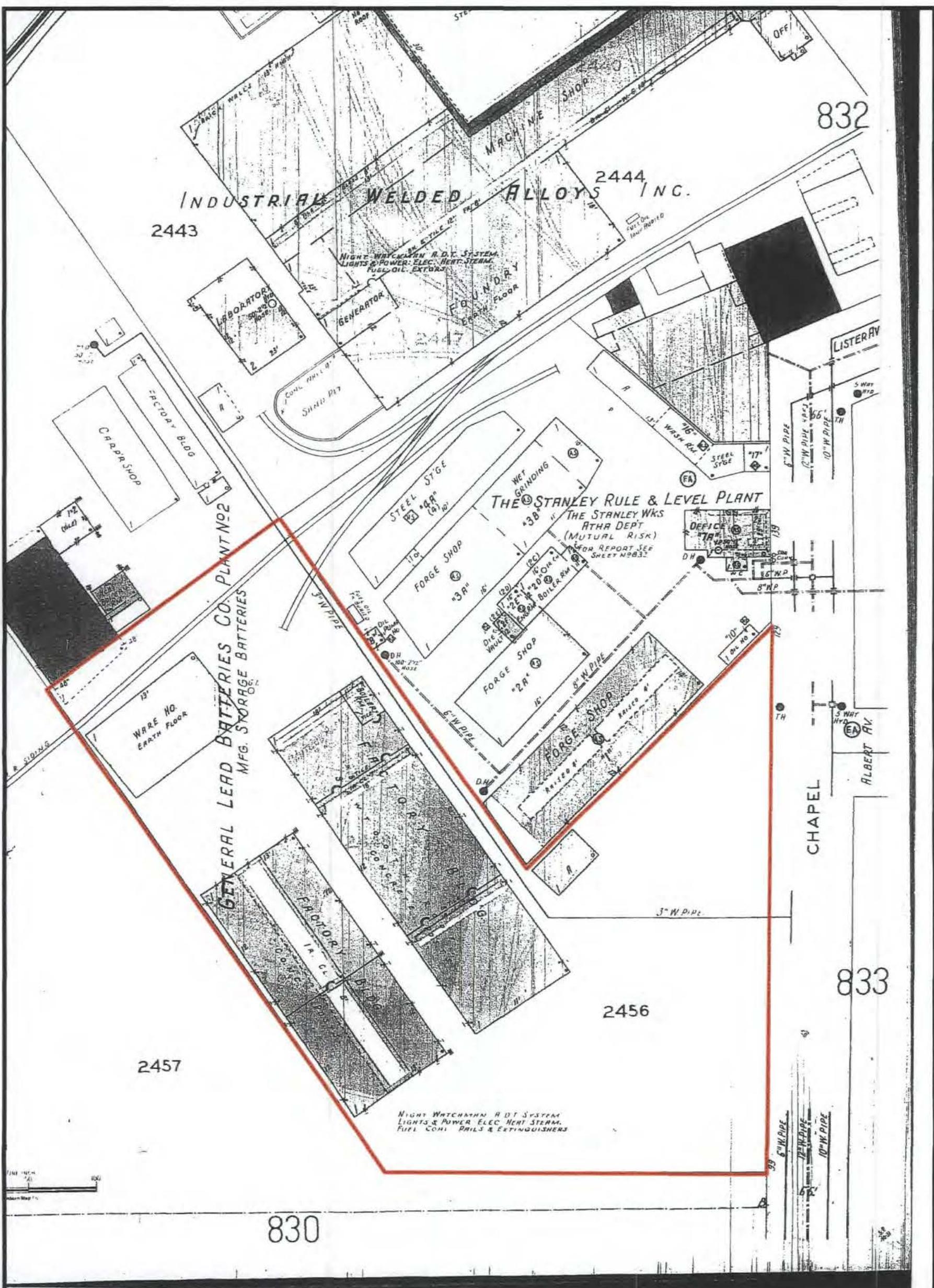
Barth Smelting Corp.
99 Chapel Street
Newark, Essex County, New Jersey

Excerpt From 1908 Sanborn Fire Insurance Map
for The City of Newark, NJ Vol. 1 Sheet 91

NJDEP, BEMSA (May 2012)

MAP-3A





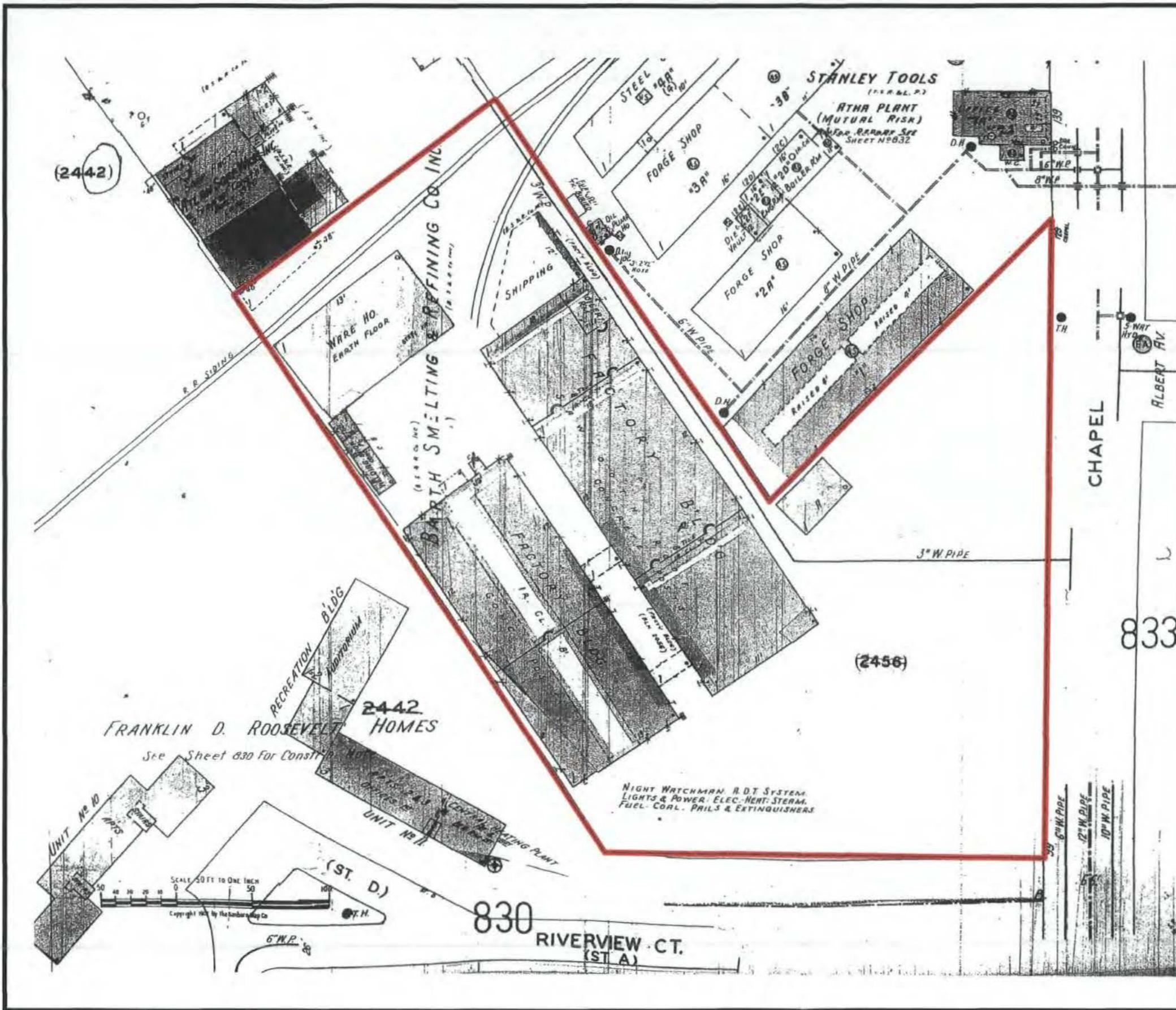
Excerpt From 1930 Sanborn Fire Insurance Map
For the City of Newark, NJ Vol. 8 Sheet 831

Barth Smelting Corp.
99 Chapel Street
Newark, Essex County, New Jersey



= Approximate Site Property Boundary

NJDEP, BEMSA (May 2012)



Excerpt From 1950 Sanborn Fire Insurance Map
For the City of Newark, NJ Vol. 8 Sheet 831



= Approximate Site Property Boundary

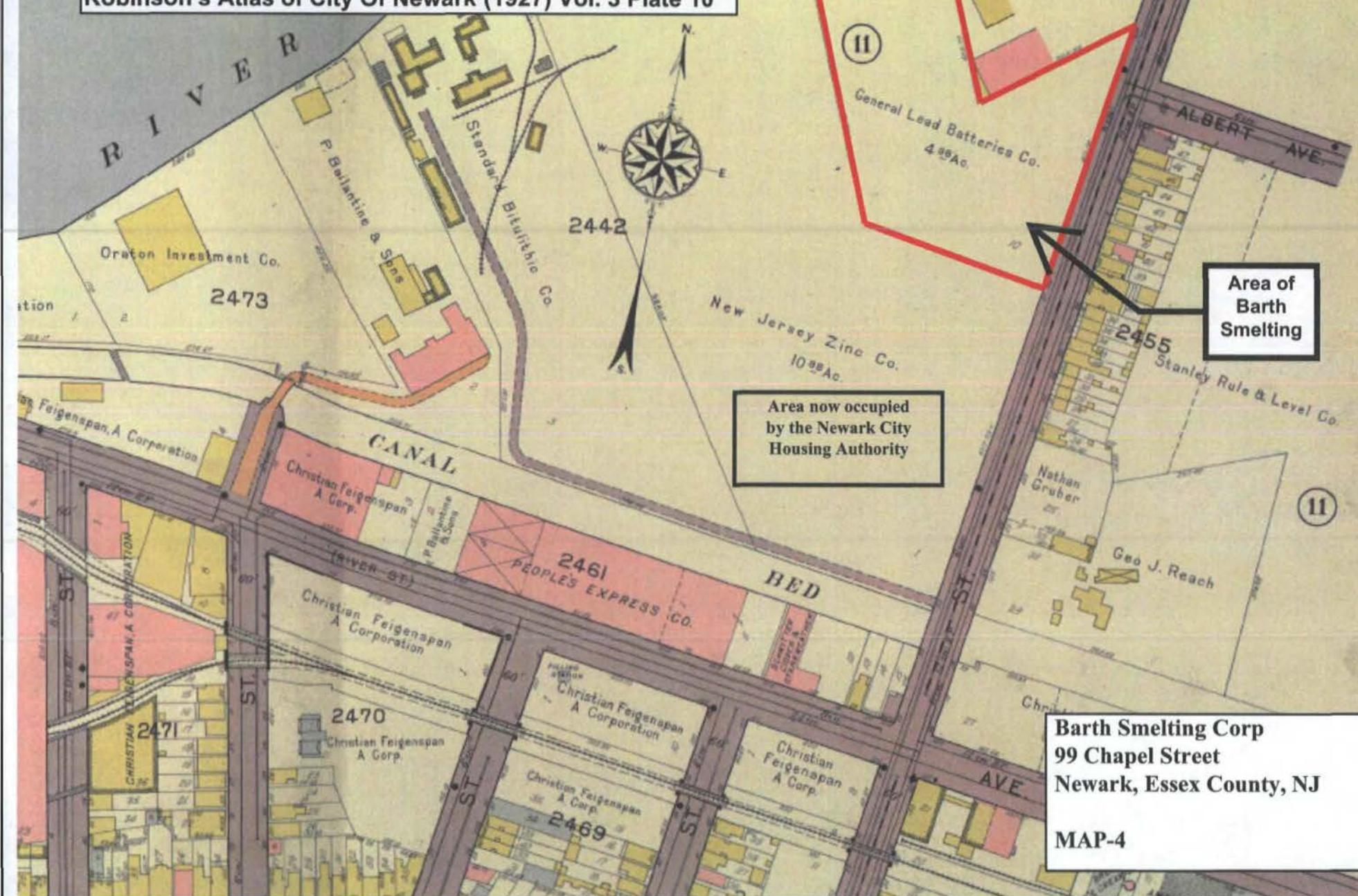
Barth Smelting Corp.
99 Chapel Street
Newark, Essex County, New Jersey

NJDEP, BEMSA (May 2012)

MAP-3D

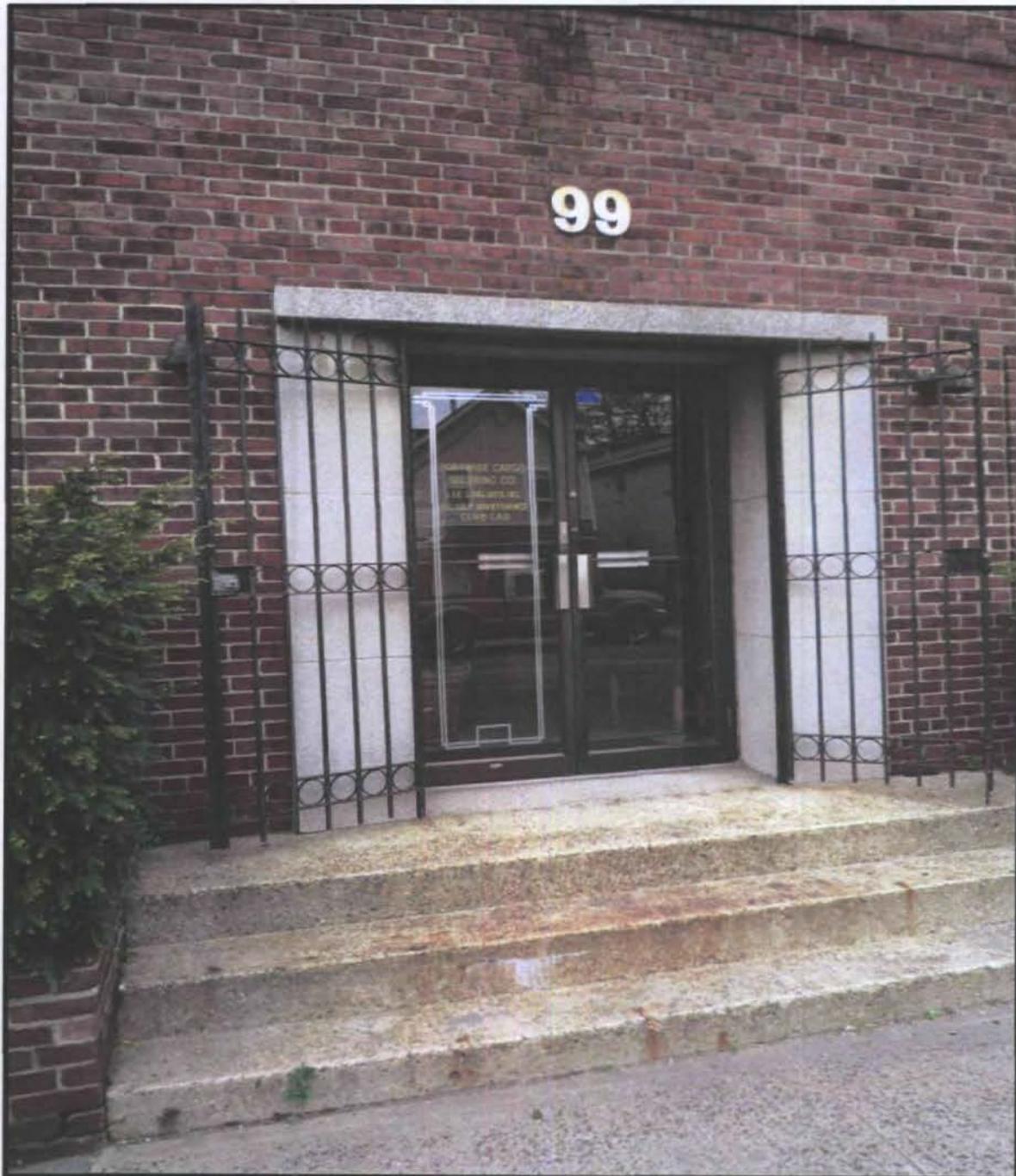
PLATE 10

Robinson's Atlas of City Of Newark (1927) Vol. 3 Plate 10



PHOTOGRAPHS

NJDEP,BEMSA
New Jersey Smelter Site Investigation
Former Barth Smelting Corp.
99 Chapel Street
Newark, Essex County, New Jersey





^ View of site looking southwest apartment complex in background



^ View of residential properties to the east across Chapel Street

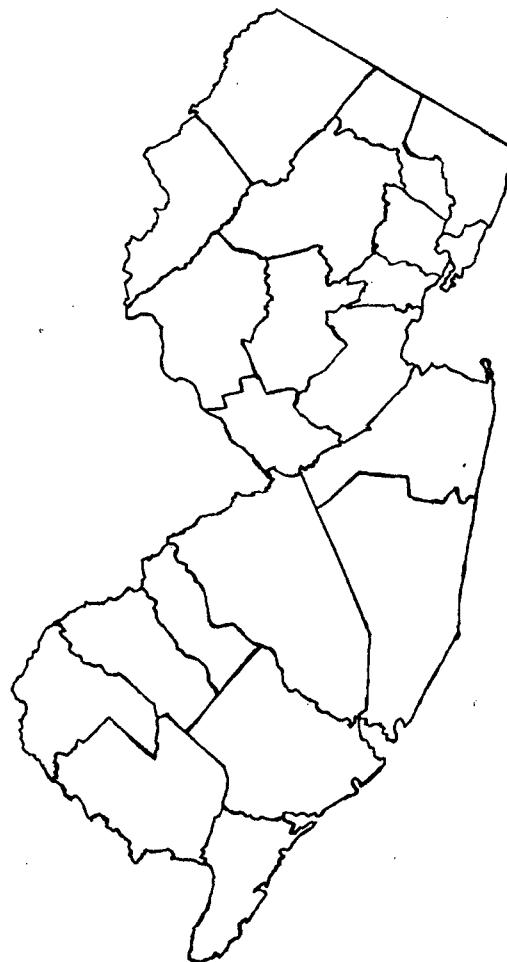
ATTACHMENT A

Property Information				
Property Location : 99-129 CHAPEL ST. , NEWARK CITY Essex County District : 714 Block : 2442 Lot : 10 Qualifier :		Show Tax Map Show Virtual Earth Map	Last Sale	Prior Sale Previous Owner : GUIDO & MAZZELLA-HUG HOLD
Additional Lots : Current Owner:		Transfer Date : 04/28/00		
		Transfer Price : \$100		
		Deed Book : 5700	5040	
		Deed Page : 291	679	
		Class : 4B - Industrial		
Assessments Total Value : \$1,704,200 Land Value : \$1,483,200 Improve Value : \$221,000 % Improvement : 13% Assessment at time of sale : \$63,000		2011 Tax Rate : 3.328 2011 Tax Ratio : 67.14% Estimated Property Taxes : \$56,715.78 2011 Taxes : Useable/Non Usable : 25	Zoning : Building Description : 2SB Land Description : 411X180 Acreage : 1.6983 Square Footage : Year Constructed :	

ATTACHMENT B

MacRAE'S NEW JERSEY STATE INDUSTRIAL DIRECTORY

NEW JERSEY STATE LIBRARY
3 3009 00107 4352



1982

PUBLISHED BY MacRAE'S BLUE BOOK, INC.
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JULY 1982
1982

AMERICA'S LARGEST PUBLISHER OF STATE INDUSTRIAL DIRECTORIES

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Library of Congress Card Catalog No. 13-33036

GEOGRAPHICAL

ESSEX COUNTY, Newark G-139

S, INC.

SIC 3069, 2294
Pr—A. Attermann
VP—H. Attermann
VP—B. Attermann
Sec—H. Attermann
Tr—H. Attermann

AURIC CORP.
470 Frelinghuysen Ave.
Newark, NJ 07114
Phone: 201-242-4110
Sales: \$5,000,000 To \$10,000,000
Emp: 25
◆ Gold Plating Processes, & Liquid Metal Concentrates
★ SIC 3471
Pr—Maurice Bick
Exec/VP—Leo Kosowsky
O/M—Sally Siegel
S/M—Leo Kosowsky
Bank:
Midlantic National

AURILYTE PROCESS CO.
100 Union St.
Newark, NJ 07105
Phone: 201-344-4434
Sales: Up To \$1,000,000
Emp: 15
Electroplating, Plating And Polishing
SIC 3471
Owner—Mr. Demian
Partner—Makram Demian
Partner—Maher Demian

AUTO PARTS & EQUIPMENT INC.
218 Elizabeth Ave.
Newark, NJ 07108
Phone: 201-824-2100
Emp: 26
Motor Vehicle Parts & Accessories,
Machinshop Service & Engine
Rebuilding
SIC 3714
Pr—P. Ciano
VP—G. Schwartz
Sec—D. Ciano
Tr—A. Schwartz

AUTOMATIC ELECTRO-PLATING CORP.
185 Foundry St.
Newark, NJ 07105
Phone: 201-589-0344
Sales: \$1,000,000 To \$5,000,000
16,000 Sq. Ft. 1.7 Acres
Emp: 13
Electroplating, Zinc, Nickel, Chrome
SIC 3471
Pr—F. Borriello
Tr—Gerald Borriello, Sec.

AVION PATTERN CORP.
238 Murray St.
Newark, NJ 07114
Phone: 201-243-2808
Sales: Up To \$1,000,000
3,800 Sq. Ft. 2.5 Acres
Emp: 6
Office: M 1, F 0
Plant: M 5, F 0
Aircraft & Industrial Patterns
SIC 3565
Pr—Walter E. Ebinger

AVON PRODUCTS INC.
Newark, NJ 10580
Phone: 201-737-6700
Plant: M 300, F 0
Cosmetics
SIC 2844
S/M—Paul Reichard

AVON SHEET METAL CO.
210-218 Badger Avenue
Newark, NJ 07108
Phone: 201-248-2678
Emp: 20
Roofing & Sheet Metal Work
SIC 3444
Owner—L. Kotler
Sec—B. Kotler

AZTEC LEATHER CORP.
195 Mcwhorter St.
Newark, NJ 07105
Phone: 201-589-1144
Emp: 20
Leather & Finishing Of Cowhide

Leather
SIC 3111
Pr—R. Considine
P/M—Kim Franceschini

BALDWIN & MILLER
449 Washington St.
Newark, NJ 07102
Phone: 201-623-2671
Emp: 8

Pewterware
SIC 3914
Pr—John Miller
VP—John Miller, Jr.
O/M—Mr. Anderson

BARLYN MFG. CORP.
110 Edison Place
Newark, NJ 07102
Phone: 201-623-1337
80,000 Sq. Ft.
Emp: 230
Undergarments
SIC 2389
Pr—Henry Bregstein
VP—Robert Farber
VP—E. Bregstein
Sec—Bernard Bregstein

BARTH SMELTING & REFINING CORP.
99 Chapel Street
Newark, NJ 07105
Phone: 201-589-4908
250,000 Sq. Ft.
Emp: 140
Brass And Bronze Ingots, Produce
Non-Ferrous Metals
SIC 3341
Ch/B—Ernest Barth
Pr—Peter Brill
VP—Randolph Charrington
VP—John Dettinger
Sec—Ralph Spector
P/M—Robert Rawlings

BAYONNE BARREL & DRUM CO.
U. S. Hwy. 1 & Raymond Blvd.
Newark, NJ 07105
Phone: 201-589-0110
150,000 Sq. Ft. 17 Acres
Emp: 100
Recondition Steel Shipping Drums
SIC 3412
Pr—Frank A. Langella
VP—Ray E. Farina
Sec—Andrew M. Langella
S/M—Jack Duggan
P/A—Sal Russomanno

BEACON CABINET MFG. CO., INC.
124 Adams St.
Newark, NJ 07105
Phone: 201-589-2814
Sales: \$1,000,000 To \$5,000,000
Emp: 60
Display Fixtures For Card Shops,
Department Stores, Jewelry Stores, &
Gift Shops
SIC 2542
Pr—M. Raposo
VP—R. Raposo

BEACON SWEETS INC.
107 Main St.
Newark, NJ 07105
Phone: 201-344-8060
Sales: \$1,000,000 To \$5,000,000
40,000 Sq. Ft.
Emp: 87
Office: M 3, F 4
Plant: M 40, F 40

Candy
★ SIC 2065
Pr—Edward Berkowitz
Sec—Dennis Rein
S/M—Mike Marko, Sr.
P/M—Leonard Foti

BEAVER ZINCONE HOME CENTER
Ramirol Enterprise
705 Broadway
Newark, NJ 07003

Phone: 201-484-6550
Sales: Up To \$1,000,000 Est. 1978
Emp: 5
Office: M 1, F 1
Plant: M 3, F 0
Millwork

SIC 2431
Pr—Padro Ramirez
VP—Luis A. Ramirez

BEHRINGER METAL WORKS INC.
108-122 Jabez St.
Newark, NJ 07105
Phone: 201-589-0546
Sales: \$1,000,000 To \$5,000,000
52,000 Sq. Ft.
Emp: 57
Metal Stamping, Steel Fabricators
SIC 3469, 3499
Pr—G. Krueger
Sec—Emily L. Behringer
Tr—David E. Behringer

BEL-AIR MACHINE PRODUCTS CO., INC.
251 N.J. R.R. Ave.
Newark, NJ 07105
Phone: 201-344-5708
Sales: Up To \$1,000,000
Emp: 12
Office: M 1, F 2
Plant: M 13, F 2

Sheet Metal Fabrication, Machine Shop
Products, Welding
SIC 3444, 3599, 3443
Pr—J. Chiavarallo
VP—Peter Chiavarallo
Sec—Irma Chiavarallo

BELCO LITES CORP.
431 Ferry St.
Newark, NJ 07105
Phone: 201-344-1171
Sales: \$5,000,000 To \$10,000,000
Emp: 100
Patio & Christmas Lights
SIC 3648
Pr—Perry Fever
VP—Marvin Kramer
Tr—Robert Sessler
P/M—Harold Ostrow

BENNETT HEAT TREATING CO., INC.
690 Ferry St.
Newark, NJ 07105
Phone: 201-589-0590
70,000 Sq. Ft.
Emp: 72

Commercial & Aircraft Heat Treating &
Brazing
SIC 3398
Pr—A. J. Quaglia
VP—A. J. Belli
Tr—Marvin L. Rubin
S/M—J. R. Parella
P/A—Roni Abraham
M/M—K. Hann

BERK'S PRINTING SERVICE
232 Market St.
Newark, NJ 07102
Phone: 201-622-1995
Sales: Up To \$1,000,000 Est. 1918
2,500 Sq. Ft.
Emp: 5
Office: M 1, F 1
Plant: M 3, F 0

Office Forms, Stationery, Advertising
Pieces, Art
SIC 2751
Pr—Marvin S. Berkowitz
VP—Alma Corsover
Sec—Seymour Corsover
Tr—Isadora Berkowitz
Bank:
Fidelity Union Trust Co.

BERNAN FOOD CORP.
30 Jabez Street
Newark, NJ 07105
Phone: 201-589-0323
16,000 Sq. Ft.
Emp: 100
Frozen Prepared Foods
SIC 2038
Pr—Michael A. Midler
VP—Bernard Bloomstein
Sec—D. Kazick
Tr—A. Bloomstein

BEST PROVISION CO., INC.
144 Avon Avenue
Newark, NJ 07108
Phone: 201-243-1100
Emp: 100

Sausages, Meat Products
SIC 2013
Pr—P. Dolinko
VP—B. Greenberg
Sec—F. Jason
Tr—Leonard Karp

BLACK OXIDE PROCESSING CORP.
85 Gotthart St.
Newark, NJ 07105
Phone: 201-589-2550
Sales: Up To \$1,000,000
4,000 Sq. Ft.
Emp: 11
Protective Coating, Plating, Finishing
Etc. For Metals
SIC 3471
Pr—W. G. Wells
Sec—Hilda Wells
Bank:
First National Bank Central Jersey

BLANK, HENRY & COMPANY
19 Liberty Street
Newark, NJ 07102
Phone: 201-623-1219
Emp: 15
Mfg. Jewelry And Watch Cases
SIC 3911
Pr—Ralph E. Blank
VP—Peter H. Blank
Tr—Philip E. Blank

BLAZAK, EDWARD, MFG. CO.
110 Edison Place
Newark, NJ 07102
Phone: 201-642-4610
Sales: Up To \$1,000,000
5,000 Sq. Ft.
Emp: 15
◆ Light Gauge Stampings
SIC 3469
Owner—E. Blazak

BLOOM CO., INC.
1020 Broad St.
Newark, NJ 07102
Phone: 201-642-0545
Emp: 15
Publishing & Printing
SIC 2711
Owner—S. Bloom

BLUE BLADE HEAT TREATING CO., INC.
360 Jeiff Ave.
Newark, NJ 07108
Phone: 201-248-3155
Sales: Up To \$1,000,000
9,500 Sq. Ft.
Emp: 16

Distribute Cold Rolled Annealed Spring
Steel, Tempered Strip Steel
SIC 5051, 3398
Owner—Jeremiah H. Shaw
Pr—Jeremiah H. Shaw

BOND ADHESIVES CO.
301 Frelinghuysen Ave.
Newark, NJ 07114
Phone: 201-243-8100
Sales: \$1,000,000 To \$5,000,000
Est. 1934
30,000 Sq. Ft.
Emp: 25

▲ Adhesives, Cements, Glues, Photo
Emulsions
SIC 2891
Pr—Ferne S. Siner
S/M—Hermes Fernandez
R/D—Milton Spielvogel
P/M—Sol Eskenazi
Bank:
First National State Bank
Midlantic National Bank/Citizens

BONNEY-VEHSLAGE TOOL CO.
61 N.J. Railroad Avenue
Newark, NJ 07105
Phone: 201-589-6975
3,000 Sq. Ft.
Emp: 16
Office: M 0, F 1
Plant: M 10, F 1

▲ Hand Tool Ticket Punches
SIC 3423
Pr—Ramsay W. Vehslage
VP—Stephen T. Vehslage
P/F—Joseph Krehel

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2 PENN PLAZA, NEW YORK, N.Y. 10001. TELEPHONE (212) 564-0340

H. VAN HOOK,

ESSEX COUNTY (Newark)
G-144
FIRM NAME

Phone: 243-8059
30,000 Sq. Ft.
Office: M 4, F 1
Plant: M 22, F 1
Zinc Die Castings
SIC 3369
Tr—Arthur M. Thieberger

ART WIRE & STAMPING CO.
227 High Street
Newark, N.J. 07102
Phone: 621-7272
60,000 Sq. Ft.; 2 Acres
Office: M 6, F 14
Plant: M 60, F 50
Wire Forms, Metal Stamping, Fishing Tackle
SIC 3461
Ch/B/Pr—Nils Johnson
VP—Preston Strozza
VP/GM—Robert McGowan
Sec/Tr/OM—Helen Montgomery
P/A—Donald Hayhurst
Ch/E—Hans Pokorny

ASHLAND CHEMICAL CO.
Ashland Oil, Inc.
400 Doremus Avenue
Newark, N.J. 07105
Phone: 624-3709
Emp: 138
Resins and Plastics
SIC 2817, 2818
Former Name:
Archer Daniels Midland Co.

ASTER NUT PRODUCTS, INC.
1445 McCarter Highway
Newark, N.J. 07104
Phone: 483-8680
Emp: 32
Nuts and Nut Products
SIC 2034
G/M—Ewing Smith

ASTROMATICS, INC.
Div. of: Aquatics
(Marine Division)
296 Norfolk Street
Newark, N.J. 07103
Phone: 642-1172
9,500 Sq. Ft.
Office: M 2, F 2
Plant: M 18, F 3
Thread Grinding and Milling, Grinding and Machining, Aircraft and Missile Parts, Marine Equipment
SIC 3451
Pr—Leon Strell
Sec/Tr—A. Edelstein

ATCO PRODUCTS, INC.
9 Legal Street
Newark, N.J. 07114
Phone: 248-2991
8,000 Sq. Ft.
Office: M 1, F 1
Plant: M 8, F 12
Snaplocks, Luggage Hardwares, Metal Stamps
SIC 3429, 3461
Pr—Nathan Gornstein
Ch/E—M. Gornstein

ATLANTIC COTTON FELT CORP.
444 Frelinghuysen Avenue
Newark, N.J. 07114
Phone: 248-3468
35,000 Sq. Ft.
Office: M 1, F 1
Plant: M 30, F 1
Cotton Battting
SIC 2293
Pr/Tr—Fred Kaumheimer
Exec/VP/Sec—R.W. Bamberger

ATLANTIC FABRICATORS OF NEW JERSEY, INC.
557 Belmont Avenue
Newark, N.J. 07108
Phone: 623-7777
Emp: 15
Metal Fabrication
SIC 3499
Pr—H. Maehr
VP—J. Maehr

ATLANTIC MANUFACTURING CO.
Div. of: Art Tube div.
500 Lyms Ave.

Irvington, N.J. 07111
Phone: 243-2250
32,000 Sq. Ft.
Office: M 2, F 2
Plant: M 10, F 6
Collapsible Metal Tubes
SIC 3496
Pr—Robert Braum
Exec/VP—L.P. Gandolfo
Sec—John Roggio

***ATLAS REFINERY, INC.**
142 Lockwood Street
Newark, N.J. 07105
Phone: 622-2002
72,000 Sq. Ft.
Emp: 43
Mfg. Tanning and Industrial Oils, Chemical Specialties
SIC 2843, 2899
Pr—Arthur F. Schroeder, Jr.
Sec/Tr—Lawrence J. Van Hook
R/D—Jerry Bihum

ATLAS SCREW & SPECIALTY CO., INC.

398 Jelliff Avenue
Newark, N.J. 07108
Phone: 248-3000
30,000 Sq. Ft.
Office: M 5, F 10
Plant: M 25, F 15
Screws, Nuts, Bolts, Washers, Etc., Industrial Fasteners
SIC 3451
P/A—Irwin Kaplan
P/M—A. Bell
Main Office:
450 Broome Street
New York City, N.Y.

ATLAS VALVE COMPANY
280 South Street
Newark, N.J. 07114
Phone: 642-2464
12,000 Sq. Ft.
Emp: 29
Temperature and Pressure Control Valves
SIC 3494
Pr/Tr—G.H. Blanchard
VP—Alice Blanchard
Sec—Elsie Erickson
S/M—Robert Blanchard
P/A—Harold McNamara
P/M—Russell Alexander
P/F—Benjamin Longo
Ch/E—Paul L. Ochs

AURILYTE PROCESS CO.
100 Union Street
Newark, N.J. 07105
Phone: 622-4434
Emp: 21
Electroplating, Plating and Polishing
SIC 3471
Owner—S.J. Neuhaus

AUSTIN TOOL & DIE CORP.
9 Legal Street
Newark, N.J. 07114
Phone: 248-2991
Emp: 22
Machine Tool Accessories
SIC 3545
Pr—N. Gornstein
Ch/E—M. Gornstein

AUTOMATIC ELECTROPLATING CORP.
347 Ferry Street
Newark, N.J. 07105
Phone: 622-0344
Emp: 12
Electroplating, Cadmium, Zinc, Nickel, Copper
SIC 3471
Pr/Tr—Frank Borriello

***AUTOMATIC MFG. DIVISION**
Div. fo: General Instrument Corp.
65 Gouverneur Street
Newark, N.J. 07104
Phone: 485-2100
250,000 Sq. Ft.
Emp: M 200, F 300
Radio, TV, Phonograph Equipment
SIC 3662
Ch/B—M. Shapiro
Pr—W. Hiteinger
Tr—F.F. Clemminshaw

Comp—S. Del Priore
S/M—A. Adessa
P/A—Michael Ostaszewski
T/M—F. de Matchlowski
Pers—A. Bene
Ch/E—Vincent Friberg
M/M—L. Horne

AVON SHEET METAL CO.

210-218 Badger Avenue
Newark, N.J. 07108
Phone: 248-2678
Emp: M 6
Sheet Metal Work
SIC 3444
Owners—L. Kotler

B & D COMPANY
166-170 Littleton Avenue
Newark, N.J. 07103
Phone: 642-4194
Emp: M 2, F 28
Women's, Misses' Blouses, Waists
SIC 2331
Pr—Carmel Dispensiere

BAKER PRINTING CO., LTD.
Div. of: Newark Printing Co.
31 Division Street
Newark, N.J. 07102
Phone: 642-5118
Office: M 14, F 3
Plant: M 31
Advertising Printers, Offset and Letterpress
SIC 2751, 2752
Pr—Louis W. Belsch
VP—James Ames
Sec/Tr—David Rudd

BALLANTINE, P. & SONS

57 Freeman Street
Newark, N.J. 07101
Phone: 643-3000
40 Acres

Office: M 683, F 168
Plant: M 2,350
Beer and Ale
SIC 2082
Ch/B—Carl W. Badenhausen
Pr—Richard H. Briebel
Sr/VP—John J. Waldron
VP/Admin—Carl W. Menk
VP/Sis—Paul Whelehan
VP/Ops—Frank E. Connery
VP/Fin—J. Harold Erikson, Jr.
VP—Carl S. Badenhausen
Sec—Francis W. Brennan
Tr/Comp—L. Donald Horne
A/M—William V. Weithas
P/A—Fred Messina
T/M—Harold Bliwise
Pers—George Bianchi
P/E—W.B. Kester

BANNER CHEMICAL PRODUCTS CO.

9-11 Calumet Street
Newark, N.J. 07105
Phone: 523-6095
Emp: M 6
Cleaning, Polishing Prep.
SIC 2842

Pr—Morris Kadish
VP—H. Kadish
Sec—S. Kadish

BARBER PHOTOGRAPHIC CO.
378 Sixth Avenue
Newark, N.J. 07107
Phone: 482-8050
Emp: M 20, F 17
Color and Black and White Processing
SIC 3861
Pr—A.A. Barber

BARLYN MFG. CORP.
110 Edison Place
Newark, N.J. 07102
Phone: 623-1337
Emp: M 20, F 100
Undergarments
SIC 2247
Pr—B. Bergstein
VP—E. Bergstein
Sec—B. Farber

BARON, H. & SONS PROVISION CO., INC.
296 Adams Street

Newark, N.J. 07105
Phone: 243-7600
Emp: 50
25,000 Sq. Ft.
Meat Products
SIC 2011
Pr—Herman Baron
VP—Arne Baron
Sec/Tr—Ethel Baron

BARRASSO & BLASI, INC.

31 Governor Street
Newark, N.J. 07102
Phone: 642-1252
Emp: 30
Manufacturing of Jewelry
SIC 3172
Pr—Harry O. Blasi
VP—Walter C. Blasi
G/M—Gabriel Minichello
O/M—Ralph Liloia

BARRETT & CO., INC.

49 Vesey Street
Newark, N.J. 07105
Phone: 622-4730
Emp: M 178, F 24
Leather, Tanning, Finishing
SIC 3111
Pr—Hunter L. Barrett
Exec/VP—Alfred H. Mueller
VP—Paul A. Drummer
Sec/Comp—Joseph A. Bistany
Tr—James P. Beard

BART MANUFACTURING CORP.

135 Manchester Place
Newark, N.J. 07104
Phone: 759-0200
60,000 Sq. Ft., 6½ Acres
Office: M 20, F 10
Plant: M 100
Electro Forming, Plating, Tow Targets
SIC 3471
Pr—S.G. Bart
VP/Sec—George J. Chipouras
Prog/Mgr—L. Johnsen
Contract/Adm—Ray Wang
Pers—S. McGowan

BARTH SMELTING & REFINING CORP.

99 Chapel Street
Newark, N.J. 07105
Phone: 589-4908
Office: M 30, F 6
Plant: M 100
Brass and Bronze Ingots, Produce Non-Ferrous Metals
SIC 3331
Ch/B—Otto Barth
Pr—Ernest Barth
VP/Ops—Peter Brull
VP/Comp—Ralph Spector
VP—Richard Barth

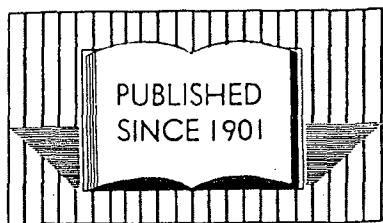
BARTON PRESS

138 Washington Street
Newark, N.J. 07102
623-6322
40,000 Sq. Ft.
Office: M 12, F 7
Plant: M 113, F 18
Commercial Printing, Photo Offset, Lithography and Typography
SIC 2751, 2752
Pr—Herman M. Denburg
VP—Harry L. Denburg
Sec—Mrs. Bertha Cone
Tr—Samuel Denburg
P/A—Nat Langone

BAYONNE BARREL & DRUM CO.

U.S. Highway No. 1 and Raymond Boulevard
Newark, N.J. 07105
Phone: 589-0110
150,000 Sq. Ft., 17 Acres
Office: M 15, F 5
Plant: M 150
Recondition Steel Drums
SIC 3491
Pr—Frank A. Langella
VP—Ray E. Farina
VP—Zachary Langella
Sec—Andrew M. Langella
P/A—Jack Duggan
P/M—Edward Hopkins

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ATLAS VALVE CO.
280 South Street
Newark, N. J. 07114
642 - 2464
12,000 Sq. Ft.
Emp: 35
Automatic Pressure Valves
Temperature Regulators
SIC 3494
Pr-V. F. Davis
Exec/VP-G. H. Blanchard
VP/P/M-F. H. Davis, Jr.
Sec-Tr-Elsie Erickson
S/M-Wm. Umstatter
P/A-John Bylinski
P/F-Benjamin Longo
Ch/E-H. T. Wentworth

AURILYTE PROCESS CO.
100 Union Street
Newark, N. J. 07105
MA 2-4434
Emp: 21
Electroplating, Plating & Polishing
SIC 3471
Partners-H. P. Neuhaus
S. J. Neuhaus
H. K. Neuhaus

AUSTIN TOOL & DIE CORP.
9 Legal Street
Newark, N. J. 07114
BI 8-2991
Emp: 22
Machine Tool Accessories
SIC 3545
Pr-N. Gornstein
VP-O. Pfisterer

AUTOMATIC ELECTROPLATING CORP.
347 Ferry Street
Newark, N. J. 07105
MA 2-0344
15,000 Sq. Ft.
Emp: 12

Electroplating, Cadmium, Zinc
Nickel, Copper
SIC 3471
Pr-Tr-Frank Borriello

AUTOMATIC MFG. DIV.
Of General Instrument Corp.
65 Gouverneur Street
Newark, N. J. 07104
HU 5-2100
250,000 Sq. Ft.

Emp: M 500, F 700
Radio, TV, Phonograph Equip.
SIC 3662
Pr-Moses Shapiro
VP-Patrick J. Brady
Tr-F. F. Cleminshaw
Comp-C. F. Sullivan
S/M-A. Adessa
P/A-J. Parker
T/M-W. R. Schmidt
Pers-A. Bene
Ch/E-Vincent Friberg
M/M-L. Horne

AVON SHEET METAL WORKS
210-218 Badger Avenue
Newark, N. J. 07108
BI 8-2678
Emp: M 6
Sheet Metal Work
SIC 3444
Owners-L. Kotler
M. Kotler

B & B COMPANY
31 Governor Street
Newark, N. J. 07102
642 - 1252
Emp: 8
Ornaments
SIC 3961
Pr-Walter C. Blasi

B & B PRESS, INC.
177 Plane Street
Newark, N. J. 07102
MI 2-5499

Emp: M 7
Commercial Printing
SIC 2751
Pr-H. Matheabis
VP-M. Bistis
Sec-Tr-J. P. Bistis

B & B PROVISIONS CO., INC.
480 Hunterdon Street
Newark, N. J. 07108
243 - 7500
Emp: 10
Meat Products
SIC 2011
Pr-Herman Baron

B & D COMPANY
166-170 Littleton Avenue
Newark, N. J. 07103
MI 2-4194
Emp: M 2, F 30
Women's, Misses' Blouses, Waists
SIC 2331
Pr-M. Braues
Sec-A. Luoren
Tr-C. Dispignere

BAKER INDUSTRIES, INC.
10 Empire Street
Newark, N. J. 07112
TA 4-1400
Fire Detection & Alarm System
Fire Extinguishers
SIC 3569
Ch/B-Pr-Solomon R. Baker
Exec/VP-Hugh A. Craigie
VP-Sec-Frederick G. Davison
VP-Louis E. Eckelman
VP-William Horowitz
VP-Arthur E. Ratzer
Tr-Louis Levine

BAKER PRINTING COMPANY
69 Clinton Street
Newark, N. J. 07102
642 - 5118
Office: M 14, F 3
Plant: M 31
Advertising Printers - Offset &
Letterpress
SIC 2751-2752
Ch/B-Henry S. Kenyon
Pr-Louis W. Beisch
VP-John A. Ellis
Sec-Tr-Kenneth R. Gearhart

BAL BRAND, INC.
100 Burnett Street
Newark, N. J. 07102
622 - 7115
Emp: 15
Fountain Fruits and Syrups
SIC 2087
Pr-Jack Y. Wogman

BALCO CAPACITORS
Div. of Balco Research Labs.
49-53 Edison Place
Newark, N. J. 07102
643 - 5200
9,000 Sq. Ft.
Emp: 25
Precision Capacitors
SIC 3679
Pr-Tr-Ch/E-Maxwell K. Goldstein
VP-Ray Crawford
Sec-Sydelle N. Goldstein
S/M-P/A-D. D. Kennedy

BALLANTINE, P. & SONS
57 Freeman Street
Newark, N. J. 07101
643 - 3000
40 Acres
Office: M 820, F 234
Plant: M 2,030
Beer & Ale
SIC 2082
Ch/B-Pr-Carl W. Badenhausen

B-117

(Newark—Contd.) ESSEX COUNTY

Exec/VP-Otto A. Badenhausen
VP-John E. Farrell
VP-Raymond N. Bostock
VP-P/M-F. E. Connery
VP/Sales-Bert L. Megowan
VP/Mkt-Carl S. Badenhausen
Sec-Francis W. Brennan
Tr-Harold N. Tisch
A/M-Leonard Faupel
P/R-Edwin Fisher
P/A-Fred Messina
T/M-Harold Bliwise
Pers-L. E. Schueler
P/E-W. B. Kester

BANNER CHEMICAL PRODUCTS
9-11 Calumet Street
Newark, N. J. 07105
MA 3-6095
Emp: M 6
Cleaning, Polishing Prep.
SIC 2842
Pr-M. Kadish
VP-H. Kadish
Sec-S. Kadish
Tr-R. Kadish

BARBER PHOTOGRAPHIC CO.
378 Sixth Avenue
Newark, N. J. 07107
HU 2-6050
Emp: M 20, F 19
Photographic Equip. & Supplies
SIC 3861
Owner-A. A. Barber

BARRASSO & BIASI, INC.
31 Governor Street
Newark, N. J. 07102
642 - 1252
Emp: 30
Leather Goods
SIC 3172

BARRETT & CO., INC.
49 Vesey Street
Newark, N. J. 07105
622 - 4730
Emp: M 151, F 24
Leather Tanning, Finishing
SIC 3111
Pr-Hunter L. Barrett
Exec/VP-Alfred H. Mueller
VP-Paul A. Drummer
Sec-Comp-Joseph A. Bistany
Tr-S. F. Hevener

BART MANUFACTURING CORP.
135 Manchester Plaza
Newark, N. J. 07104
PL 9-0200
63,000 Sq. Ft., 6½ Acres
Office: M 18, F 8
Plant: M 85
Electro Forming, Plating
SIC 3471
Pr-Tr-S. G. Bart
VP-A. G. Buschow
VP-K. C. Rau
VP/Fin-W. J. Flood
Comp-J. Frischman
G/M-G. Balsdon
P/A-B. B. Winkstrom
T/M-W. Rimides
Pers-T. Z. Washnik
R/D-Dr. D. S. Carr

BARTH SMELTING CORP.
99 Chapel Street
Newark, N. J. 07105
622 - 4908
Office: M 10, F 9
Plant: M 95
Brass & Bronze Ingots, Produce
Non-Ferrous Metals
SIC 3331
Pr-Otto Barth
VP-Randolph Charrington
Sec-Ernst Barth
Tr-Hugo Simon
Comp-Ralph Spector
P/M-Arthur Landau

BARTON PRESS
138 Washington Street
Newark, N. J. 07102
623 - 6322
40,000 Sq. Ft.
Office: M 12, F 7
Plant: M 113, F 18
Commercial Printing, Photo Offset
Lithography & Typography
SIC 2751-2752
Pr-Herman M. Denberg
VP-Harry L. Denberg
Sec-Mrs. Bertha Cone
Tr-Samuel Denberg
P/A-Nat Langone

BAYONNE BARREL & DRUM CO.
154 Raymond Boulevard
Newark, N. J. 07105
622 - 0110
150,000 Sq. Ft., 17 Acres
Office: M 9, F 5
Plant: M 130
Recondition Steel Drums
SIC 3491
Pr-Frank A. Langella
VP-Ray E. Farina
P/A-Jack Duggan

BEARDSLEY, J. W. SONS
696 Frelinghuysen Avenue
Newark, N. J. 07114
BI 3-4530
Office: M 2, F 4
Plant: M 20, F 25
Food Products
SIC 2099
Pr-Leonard S. Beardsley
VP-Sec-Tr-Comp-Abram Green

BECHT & HARTL, INC.
21 Prospect Street
Newark, N. J. 07105
MA 3-1066
Emp: M 24, F 7
Silverware, Plated Ware
SIC 3914
Owner-H. Conrad

BECK, OSCAR GLASS BLOWING CO.
4-6 Court House Place
Newark, N. J. 07102
MA 2-0846
Emp: 15
Battery Hydrometers Anti-Freeze
Testers Meat Basters
SIC 3231
Owner-Oscar Beck

BECKER CONSTRUCTION CO.
361 Grove Street
Newark, N. J. 07103
Phone 374-2400
15,000 Sq. Ft., 1 Acre
Plant: M 75
Office: M 10, F 2
Building Construction
SIC 1511
Pr-J. L. Becker, Jr.
Exec VP-Frederick V. Becker
Sec-Merritt M. MacPherson
Tr-Jerome M. Blum
P/A-Mrs. D. M. Conway
P/F-Harold E. Bishof
Ch/E-Harry F. Loeser

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WATKINS 4-1590

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GEOGRAPHICAL

B-79

BI 3-0522 Electroplating Plating and Polishing M-2
Pr—E. Bizo, VP—V. Roberti
ART PEAKERS INC 61-65 N J R R Ave M-27 F-18
MA 3-7126 Costume Jewelry Costume Novelties
Pr—L. Dorfman, Sec—B. H. Dorfman
ARTCRAFT PRESS 10-14 Arsley Court M-6
MA 3-9421 Commercial Printing
Partners—Danielis, D. Daniels, M. Daniel
ARTLEY STUDIOS INC 13 Crawford St M-12
MA 3-2558 Signs Advertising Displays
Pr—A. E. Skoller, VP—H. C. Keiler, Sec—M. W.
Slatnick, Tr—A. Levy
ARTS NATIONAL TRAILER RENTAL CORP 2040 M-C
Carlin Hwy M-4 F-1
Hu—S. A. Koffler Auto Trailers for Attachment to Cars M-8
Pr—S. W. Radice, VP—A. F. Smith, Sec-Tr—
A. F. Smith
Branches—Trenton Mercer County Eatontown
Monmouth County Mt Holly Burlington County
ART WIRES CAMPING CO 227 High St M-110 F-40
Hu 4-2104 Wirework
Pr—Gen/Mgr-P/M—Nils Johnson, Sec-Tr—Mrs.
H. E. Montgomery, S/M—D. H. Malay, A/M—
P/A—Fred Riedmiller, T/M—Fred Shoemaker,
Ch/E—Joseph Glans Sr, M/M—J. Blid
ASBESTOS PRODUCTS MFG CORP 300-306 Thomas St M-2430
MT 3-9330 Asbestos Products
Pr—H. L. Levine, Sec-Tr—S. L. Miller
ASSOCIATED INDUSTRIAL LAUNDRIES INC 51-57 Mc-
Whorter St MA 2-4194 M-2 F-8
Power Laundrys
Pr—C. J. Golden, VP—H. Rush, Sec—H. Fen-
gofsky
ASTORCRAFT LEATHER GOODS 1495 McCarter Hwy M-8 F-3
Hu 3-3342 Leather Tanning Finishing
Owner—Al Battle
ATHENS GENERAL CONTRACTING CO 289 Market St M-2
MA 2-9899 Furniture Fixtures
Partners—Calogridis, M. Kavoutourus
ATLANTA SOAP WORKS INC 125 Chapel St M-15
MA 3-5745 Animal Oils
Pr—F. Pick, VP—S. Sattenspiel, Sec—A. P.
Greenhouse
ATLANTIC FELT CD 444 Frelinghuysen Ave M-22 F-2
BI 2-4466 Cotton Battting
Pr—Fred Kaufheimer, Sec-Tr—Rudolph W.
Bamberger
ATLANTIC CO 555 Belmont Ave BI 3-2250 M-15 F-45
Tin Cans Other Tinware
Pr—H. Brown, VP—C. Kleinbeck, Sec-Tr—C.
Mueller
ATLANTIC TERMINAL INC Marsh St M-160
MI 2-7880 Pref Wooden Buildings Struc Members
Pr—A. N. Fredrickson, VP—R. S. Boyd, Sec—
W. W. Miller
ATLANTIC TOOL MFG CORP 238 Parkavest St BI 3-4466 M-4
Iron and Steel Forgings
Pr—C. Savant, Sec—K. S. Solzman, Tr—S. Za-
von, P/M—D. Hudkins
ATLAS REFINERY INC 142 Lockwood St MA 2-7143 M-41 F-44
Marine Animal Oils
Pr—A. F. Schroeder Jr, VP—E. A. Schroeder,
Sec—W. Gardner, Asst/Tr—R. P. Seaman, Asst
P/M—H. Decker
ATLAS VALVE CO 280 South St M-48 F-7
Automatic Pressure Regulating Valves
Pr—V. F. Davis, VP—F. H. Davis, Jr, Sec-Tr—
Mrs. E. Erickson, Gen/Mgr—H. T. Wentworth,
S/M—M. R. Davis, P/A—K. Schwarzwaelder
ATOMIC LINOTYPES LTD 216 16th Ave BI 3-0171 M-3
Typetting
Pr—M. Stafer, Sec-Tr—I. Valentini
ATTERICAN A & S CO 174-5 Boyd St BI 3-1458, BI 3-1459 10,000 sq ft M-10 F-10
Waste Material Cotton Waste Stuffing Material
Partner—Sigmund S. Atterman, Aaron Atter-
man, Phillip Rebacz
AURILY PROCESS CO 100 Union St M-7 F-8
M-20
Electroplating Plating and Polishing M-20
Partner—H. K. Neuhaus, H. P. Neuhaus, S. J.
Neuhaus
AUSTIN TOOL & DIE CORP 11-15 E Runyon St BI 8-2991 M-7 F-8
Machine Tool Accessories Precision Tools
Pr—N. Gornstein, VP—O. Pfisterer, Sec-Tr—
H. Weiss
AUTOMOTIVE & AXLE CORP 45 William St MA 3-3108 M-2
General Automotive Repair & Maintenance
Pr—F. Adler, Sec—H. Roth, Tr—R. Kerber
AUTOMATIC MANUFACTURING CORP Subsidiary General
Manufacturing Corporation 65 Gouverneur St
HU 5-2100 Radio Equip. Radar Photographs M-250 F-900
Radio Equip. Radar Photographs
Pr—M. H. Beneket, Exec/VP—M. Shapiro, VP/
SIS—K. C. Melniken, Jr, Sec-Tr—M. E. Silver,
T/M—J. Wood
AUTOMOTIVE ENTERPRISES 95 Elizabeth Ave

(Newark Cont.) ESSEX COUNTY

BI 8-9020 Motor Generators Motor Generator Sets M-7 F-8
Pr—Gen/Mgr, Sec-Tr—J. Jacobson
AUTOMOTIVE UTILITIES CO 9-15 Kilk PI
MA 3-0076 Oil Filter Replacements F-5
Pr—Lee Well
AVON SHEET METAL WORKS 210-218 Bedgar Ave
BI 8-2678 Sheet Metal Work M-6
Pr—Mrs. Kotler, M. Kotler
AYRES ALFRED B INC 1210 McCarter Hwy
HU 2-0500 Sawmills Hardwood M-18 F-2
Pr—Mrs. Alfred B. Ayres, VP—Mrs. Osborne Henry, Sec/P/M—Charles S. Henry, G/M/S/M—
P/A—Roy D. McLean
B & D PRESS INC 177 Plane St M-7
MA 2-5492 Commercial Printing
Pr—H. Mathews, VP—M. Blistis, Sec-Tr—J. P.
Blistis
B & D CO INC 166-170 Littleton Ave M-2 F-38
Mt 2-4194 Watch Misses Belts Waists
Pr—Maria G. Blanco, Sec—Angelina Lubrani, Tr—Carmel Disenzano
B & H HARD CHROMIUM CO 1405 McCarter Hwy
HU 2-9208 Electroplating Plating and Polishing M-3 F-1
Partner—Earl Herbert Sr, Earl Herbert Jr
B & S AUTO REPAIR 56 So Orange Ave EST 2-0182 M-3
Tire Repair
Owner—A. Bandas
BABY COMPANY INC 104-118 E Peddie St M-64 F-11
BI 3-8800 Other Repair Facilities
Pr—D. A. Thomas, VP—D. Romeo, Tr—A. Roth-
leibson, S/M—A. Ruggieri
BABINEC JOSEPH SHEET METAL WORKS 76 Ferry St
MI 2-1813 Sheet Metal Fabricators M-2 F-1
BABI SERVICE INC 124-144 So 15th St M-70 F-35
HU 4-2700 Diaper Service
Pr—Mrs. B. Kerr, VP—H. W. Kerr Jr, Sec-Tr—
R. M. King
BAKER & CO INC 429 Delancy St M-77 F-4
BI 3-0330 Primary Smelting Refining Metals Nec
Pr—G. V. Richdale, Sec—E. E. Thomas, Tr—L.
Hoguet, P/M—H. Knittle
BAINFEC JOSEPH SHEET METAL WORKS 76 Ferry St
MI 2-1813 Sheet Metal Fabricators M-2 F-1
BAKER PRINTING CO 69 Clinton St M-47 F-2
BI 3-5113 Commercial Printing
Pr—Tr—Fred J. Stephens, VP—Henry S. Kenyon,
Sec—Louis W. Belsch, P/M—Joseph A. McDon-
ald
BALCO RESEARCH LABORATORIES 49-53 Enson PI M-50 F-27
MI 3-5200 Radio Equi Radar Phonographs
Pr—M. K. Goldstein, VP—Sis—R. Nobel, Asst
P/M—R. S. Timm, P/F—R. Lindhardt
BALDWIN & MILLER 449 Washington St M-4
MA 3-2671 Silverware Plated Ware
Partner—J. Miller, Baldwin
BALKE H 400 South St M-7 F-1
MI 2-6515 Cutlery
Owner—H. Balke
BALLANTINE B & SONS 57 Freeman St M-953 F-206
MI 3-3000 Malt Liquors
Pr—Carl W. Badenhausen, Exec/VP—Otto A.
Badenhausen, VP—Sec—John E. Farrell, VP—
Raymond N. Bostock, Tr—Eugene H. Jeffrey,
S/M—William H. Ailey, A/M—Leonard B. Faigel,
P/A—Frederick Messina, 1/M—Harold Biwsilis,
Ch/E—William G. Pardin
BANNED CHEMICAL PRODUCTS 9-11 Calumet St M-6
MA 3-6095 Cleaning Polishing Prep
Pr—M. Kadish, VP—H. Kadish, Sec—S. Kadish,
Tr—R. Kadish
BARBER PHOTOGRAPHIC CO 378 6th Ave M-20, F-17
HU 2-6050 Photographic Equipment Supplies
Owner—A. Barber
BERNARD BARON INC 137-155 Blanchard St M-105 F-2
MI 2-1830 Trucking Except Local
Pr—B. Baron, Exec/VP—L. Baron, VP—A. W.
Baron, Asst/Sec—W. J. Maydoss, S/M—W. Speer,
P/A—E. Dibollo, M/M—C. Fehrenbach
BARRASSO & BLAST INC 31-33 Governor St M-15 F-8
MI 2-2522, MI 2-0272 Hub
Ch/Bd—Frank A. Biasi, Pr—Tr—Harry O. Biasi,
Exec/VP—Sec—Walter C. Biasi, Gen/Mgr—Ca-
ribel Minchillo, S/M—George Galanella
BARRE MACHINE CO INC 318 Jefferson St M-100 F-1
MI 2-6242 Sheetmetal
Ch/Bd—Leo Barre, Sec—Leon Barre, Tr—
Gen/Mgr—Reinhart K. Barre, S/M—Georgia Hepp,
P/A—F. Flory
BARTON PRESS INC 13a Washington St M-125 F-25
MA 3-0322 40,000 sq ft
Color Separation Lithographing Photo Offset
set Typography
Pr—Herman Denburg, VP—Harry O. Denburg,
Sec—Mrs. B. Cone, Tr—S. Denburg
BASKET MFG CO 279½ Mulberry St M-1
MA 3-6386 Wirework
Owner—L. Gandler
BAUSCH & LOMB OPTICAL CO 17 Williams St M-8 F-2
MA 3-6025 Optical Instrument Lenses
Pr—R. Eisinghardt, Sec-Tr—W. McQuillen, Gen/
Mgr—P. Greene, P/F—J. Fredericks
Main Office—Rochester, NY
BAXTER RUBBER CO 5 Mulberry St M-10 F-4
MI 3-0220 15,000 sq ft
Industrial Rubber Products Silicone Plastic
Hose & Tubing
Pr—S. Hicks, Gen/Mgr—G. J. Lambert, P/A
—A. A. Campbell
BAYER & WILLINGTON 207 Market St M-3
MA 2-8607 Lapidary Work
Partner—F. Beyer, A. Willington
BAYONNE BARREL & DRUM CO Raymond Blvd & Rt 25 M-110 F-3
MA 2-0110 Cooperage
Pr—J. Langella, VP—J. Langella, Tr—D. Pacifico, P/M—F. Daidone
BEAU CIGAR INC 165 Morris Ave M-69 F-311
Hu 2-3540 Cigars
Pr—P. Wurman, Sec—J. O. Davis, Tr—A.
Mishkin, P/M—F. Bartlett, M/M—L. Lausell
BE CU MANUFACTURING CO INC 40 Kent St M-10 F20
BI 3-8333 7,000 sq ft
Metal Stamping
Pr—Karol H. Nowak, Exec/VP—P/M—Walter Klock,
Sec—Tr/P/A—Walter J. Horckels
BEACON PRINTING CO INC 42 Marshall St M-6
MA 3-0146 Printing Services
Pr—Tr—Louis Peck, Sec—Tr—Rose E. Peck
BEARDSLEY & W. SONN 700 Frelinghuysen Ave M-30 F-60
BI 3-4530 Frozen Fruits Veg Sea Foods
Pr—E. S. Beardsley, VP—Sec—S/M—De S.
Beardsley—Eastport Maine Washington County
BEATTY M DENTAL LAB 301 Clinton Ave M-2
BI 3-5230 Processing Dental Appliance
Owner—M. Beatty
BEAUTY BRASSIERE CO INC 227 High St M-2 F-12
MA 3-3611 Corsets Bras & Allied Support Garments
Pr—H. Blorman, VP—J. Bierman, Sec-Tr—M.
Ginsburg
BECHT & HARTL INC 21 Prospect St M-24 F-7
BI 3-1066 Silverware Plated Ware
Owner—Tr—Conrad
EDWIN A BECK & CO 373 Halsey St M-11 F-1
MA 3-5070 8,000 sq ft
Auto Fabrics Artificial Leather Plastics
Pr—Edwin A. Beck, VP—Sec—Herbert S. Schwabach,
O/M—Mrs. Ruth Masters
Branch Office—Chicago, Ill
BECK OSCAR GLASS BLOWING CO 4-6 Court House PI M-3 F-5
MA 2-0848 Private Blown Glass
Owner—Oscar Beck
BECKER CONSTRUCTION CO 351 Grove St M-10 F-2
ES 2-4240 Commercial Industrial Construction
Ch/Bd—Pr—John L. Becker Jr, Exec/VP—Frederick V. Becker, Sec—Merritt MacPherson, Tr—
Louis E. Scholder, P/A—Dorothy McFeely
BECKER OPTICAL CO 351 Washington St M-4 F-1
Optical Instruments Lenses
Partner—L. Becker, M. Becker, P. Becker, I. Becker
BECKER WM H INC 97-99 Ann St M-10 F-3
MA 2-7638 Commercial Printing & Advertising
Pr—Tr—William H. Becker, Sr., VP—William Becker Jr, Sec—Mrs. William H. Elmer Becker
Affiliate—Amzi Pieroni & Co 57-99 Ann St Newark Essex County Mgr—William H. Becker
MA 3-3143
BECKWITH CHANDLER CO Rutherford & Delancey Sts M-2
MI 2-5603 Paints Varnishes Lacquers Japana Enamels
Pr—Tr—W. Scolum, VP—W. C. Martin, P/A—
J. M. MacGregor
BEEL ENGINEERING CO 411 Mulberry St M-15 F-2
MI 2-3378 Precision Tools & Plastic Molds
Pr—Paul Beel, Sec—M. Beel, Tr—P. Beel
BEHRINGER METAL WORKS INC 108 Jabez St M-58 F-2
MI 2-0546 30,000 sq ft
Metal Shaping Stamping Brake Forming Metal
Products Etc
Pr—D. Behringher, Exec/VP—G. A. Behringher,
Sec—Miss E. L. Behringher, Asst/Tr—Pers—A. J.
Beroddy, Tr/P/A—D. E. Behringher, P/M—R.

NEW JERSEY INDUSTRIAL DIRECTORY

1949

Compiled, Edited and Published by the
HUDSON DISPATCH
UNION CITY, N. J.

PRICE \$15.00

J338-057

J-42

1949

ESSEX COUNTY (contd.)

NEWARK (contd.)
 Automotive Utilities Co. 9-15 Kirk pl.
 Avon Sheet Metal Works
 210-218 Badger ave.
 Ayers, Alfred D., Inc. 1210 McCarter hwy.
 B. & B. Press, Inc. 177 Plane
 B. & D. Blouse & Dress Co. 257 Market
 B. & H. Co. 604 Ferry
 B-M Heat Treating Co. 220 Clifford
 B. & S. Foundry 130 Pulaski
 Baby Service 121 S. 15th
 Baker Bros. 240 Riverside ave.
 Baker & Co., Inc. 113 Astor
 Baker Printing Co. 69 Clinton
 Bal, William, Corp. 2 Johnson
 Baldwin & Miller 449 Washington
 Baldwin Pharmacal Co., Inc. 14 Oliver
 Baldwin Press
 133 Belmont ave., opp. 17th ave.
 Ballantine P., & Sons. 57 Freeman
 Baltes Mfg. Co. 443 S. 10th
 Bamberger, L. & Co. 131 Market
 Banner Chemical Products Co. 60 Elm
 Banner Furniture Mfg. Co., Inc. 520 Broad
 Barber Photographic Co. 378 Sixth ave.
 Barclay Corset Co. 155-157 Summit
 Barkhorn, Wm. H. Co. 22 Sayre
 Baron, Hugo S. Co. Inc. 401-7 Mulberry
 Barrasso & Blasi. 31-33 Governor
 Barre Machine Co. 50 Columbia
 Barrett & Co., Inc. 49 Vesey
 Barth Smelting Corporation 99 Chapel
 Barton Press 138 Washington
 Bay State Chemical Co. 412 Adams
 Bayonne Barrel & Drum Co.
 154 Raymond blvd.
 Bayonne Steel Products Co. 258 Jelliff ave.
 Beach Instrument Corp. 165 Oraton
 Beardsley's, J. W., & Sons
 700 Frelinghuysen ave.
 Beauty Brassiere Co. 227 High
 Beauty Specialties, Inc. 31-33 Coes pl.
 Becht & Hartl, Inc. 26-30 Beecher
 Beck, Edwin A., & Co. 276 Halsey
 Beck, Oscar, Glass Blowing Co.
 4-6 Court House pl.
 Becker, Wm. H., Inc. 97-99 Ann
 Beckwith-Chandler Co.
 Rutherford & Delancy
 Beers Steel Bldg. Corp. 31 Clinton
 Behringer Metal Works, Inc. 108-122 Jabez
 Belerle-Emmert Printing Co.
 13 S. Orange ave.
 Beitman, Arthur A. 44 William
 Balke, H. 400 South
 Bell, Jas., Co. 52 Lafayette
 Beller Electric Co. 301 Plane
 Belmont Auto Spring Service, Inc.
 272 Broome
 Belmont Body Builders 175 Belmont ave.
 Belmont Candy & Tobacco Co. 202 Spruce
 Belmont Dress Co. 359 Plane
 Belmont Window Shade Co. 26 Belmont ave.
 Bender, Philip J., & Sons, Inc.
 437-441 N. J. R. R. ave.
 Benedict-Miller Inc. 216 Clifford
 Benjamin & Johnes, Inc. 42 Warren
 Benn, Harvey 135 Jackson

ESSEX COUNTY (contd.)

ESSEX COUNTY (contd.)

NEWARK (contd.)
 Bennett Steel Treating Co.
 246 Raymond blvd.
 Benz, Henry 10 Green
 Benzel Products Co. 237 South
 Berger, Emanuel, Co. 11-15 Dickerson
 Berger, Julius 34 Oliver
 Bergfels, William, & Co. 10 Orchard
 Berghof, August A., Inc. 84 McWhorter
 Berk O. Company ... 145 Frelinghuysen ave.
 Berk's Print Shop 80 Park pl.
 Bervick Mfg. Co., Inc. 226 Ogden
 Charles Beseler Co. 52-72 Badger ave.
 Bessinger & Co. 723 S. 14th
 Better Finishes & Coatings, Inc.
 268 Doremus ave.
 Beverly Hosiery Company 379 Grove
 Bibona & Co., Inc. 127 S. 15th
 Biddelman Inc. 20 Belmont ave.
 Bigelow Varnish Co. 87 Oliver
 Bilt-Rite Furniture Shops
 143 Springfield ave.
 Bingham Bros. Co. Brown & Lister ave.
 Bing's Factory Clothing Outlet
 701 McCarter hwy.
 Bird Printing Co. 88 Miller
 Birenbaum Metal Co. 178 Boyd
 Birn Co., The 341-3 Halsey
 Bischoff & Haug 120 Bruce (rear)
 Bishop & Bishop 42-44 Marshal
 Bistie Press 123 Central ave.
 Black Ox Chemical Co. 171 Oraton
 Blackburn Products, Inc. 24 Avenue B
 Blair Tool & Machine Works. 78 Clinton
 Blake, H. M. ft. of Lister
 Blanchard Bro. & Lane
 408 Frelinghuysen ave.
 Blank, Henry, & Co. 17-19 Liberty
 Blciberg, Louis 30 Court
 Bliss-Scofield 42 Marshall
 Blilwise Hat Co., Inc. 1225 Raymond blvd.
 Blocker Corp. 33 Clay
 Blue Blade Heat Treating Co.
 360 Jelliff ave.
 Blum Hemstitching & Pleating Co. 95 Halsey
 Blum, William 719 S. 18th
 Bobker Bearing Co. Inc. 248 Central ave.
 Boeker, Henry W. 50 Roanoke ave.
 Boentgen & Rohloff 24 Beach
 Boice & Lapham 97 Clay
 Bolten Beiting Co. 44 Lafayette
 Bond Bag & Burlap Co. 9 Clifton
 Bonney-Vehslage Tool Co. 61 N.J.R.R. ave.
 Borden's Farm Products of N. J., Inc.
 55 Nesbitt
 Bowden F. Co. 40 Nesbitt
 Bozza Bros. 243 Bergen
 Brabson, Inc. 113 Edison pl.
 Brach, L. S., Mfg. Corp. 200 Central ave.
 Bradley Boiler Works 23-27 Hensler
 Bram Products 83-85 Wickliffe
 Branch Brook Building Supply. 58-60 Crane
 Branch Brook Paint & Supply Co.
 188 Bloomfield ave.
 Brandman, R., Fur Cutting Co.
 54-58 Branford
 Branford Locksmith Co. 59 Branford pl.
 Branford Press 211 Halsey
 Braun, Walter A., Co. 249 High

ESSE
NEWARK (con
 Breeze Corp.
 Brescia, J., L
 Breuninger, J
 Brewster Ide
 Brewster, Wr
 Breyer Ice C
 Brick And T
 Brill, H. C. (brill, John, I
 Brilliant Spo
 Brin Manfg.
 Brite Screw J
 Broad Clothe
 Broad Electr
 Broad Press,
 Broad Sheet
 Broadway C
 Broadway P
 Broadway S
 Brod & Co.
 Brokers Aut
 Brokes Autc
 Brokol Mfg.
 Bronze Art
 Brooks, E. J
 Brown Body
 Brown & M
 Brown, W.
 Brozyna Ma
 Bruck, S. (bruck Thre
 Brundage, J
 Buchlein's
 Budde Equi
 Buffalo Ta
 Buffington
 Buillard Ma
 Burnett's 1
 Burpo Co.
 Burton-Dix
 Bush Mfg.
 Buschman,
 Butterfly R
 Button Co.
 Byram, H.
 C & O Too
 C-O Two J
 C. P. Chen
 Camp Airc
 Camp Pla
 Camy, J.
 Candle Cr
 Canfield, J
 Canned Oi
 Canton D
 Cantor, O
 Canvas C
 Caprarelli
 Carbide
 Cardinal
 Carlo, Jo
 Carlton 1

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MANUFACTURERS BY COUNTIES AND MUNICIPALITIES

409

NTY (contd.)

Co., fence.	
Supply Co., Inc., building	6
brass and copper.	
ther Co., Inc., leather	
shers	35
nish Co., paints, var-	
s	20
ooing Co., building	
erproofing, etc.	30
Co., insecticides.	
ed clothes	9
arl.	
Co., Inc., cosmetics.	
Stamping Co., Inc.,	
orp., all types razor	
xtile chemicals	125
Co., repair and re-	
matures	77
& Co., paints, var-	
ous and truck motor	45
printing	5
uttons, buckles and	35
Co., Inc., photo-en-	
30	
o., Inc.	11
Co., fishing tackle.	75
, toys	9
Co., weaving.	
rms and uniform	
ble tin, lead tubes..	63
orp.	
ly Co., wood cabi-	8
	3
nc.	11
ng of marine and	
42	
natic valves	50
& Awning Co., Inc.	
co., Inc., wholesale	
shable foods.	
printing ink and	6
The, electroplating	17
Co., motor truck	19
c., distributors of	15
g Co., auto paint-	14
c., sales and serv-	21
o., auto parts and	

ESSEX COUNTY (contd.)

NEWARK (contd.)

Automotive Utilities Co., auto parts and supplies.	
Avon Sheet Metal Works, fire doors, roofing and sheet metal	6
Ayres, Alfred D., Inc., lumber	22
B. & B. Press, Inc., commercial printing, daily menu service	3
B. & D. Blouse & Dress Co., ladies' blouses	52
B. & H. Co., acetylene welding	3
B-M Heat Treating Co., accurate annealing, carburizing, etc.	42
Baker Bros., sawdust	2
Baker, Charles E., sawdust.	
Baker & Co., Inc., smelters, refiners and workers of platinum, gold and silver.	
Baker Printing Co., printing and advertising	36
Bal, William, Corp., trunks and luggage, salesmen's equipment	87
Baldwin & Miller, sterling silver hollowware	5
Baldwin Press, social printing	4
Balbach Smelting & Refining Co.	30
Ballantine P., & Sons, brewers	1120
Baltes Mfg. Co., silversmithing	15
Baltz-Howell Co., millwork	15
Bamberger, L. & Co., department store	4980
Bamberger, L., & Co., furniture finishing and repairing	22
Banner Chemical Products Co., soaps	6
Barber Photographic Co., photo-finishing and badges	25
Barcley Corset Co., belts, girdles	139
Barkhorn, William H. Co., millwork	23
Barrasso & Blasi, jewelry	30
Barre Machine Co., cigarette lighters	25
Barrett & Co., Inc., leather calfskins	118
Barth Smelting Corporation, alloy ingots and scrap metals.	
Barton Press, Inc., printing and addressing	70
Bath, John & Co., tools.	
Baum & Willse, Inc., carboy boxes, adirondack chairs, garden furniture, trays and boxes	15
Bayer Bros., Leather Co., Inc., alligator and reptilian leathers.	
Bayonne Barel & Drum Co., cooperage	25
Bayonne Steel Products Co., steel.	
Beardsley's, J. W., & Sons, shredded cod-fish, prepared fish cakes, etc.	60
Beauty Brassiere Co., bandeaux, brassieres, garter belts.	
Beauty Specialties, Inc., toilet preparations	3
Becht & Hartl, Inc., sterling silver hollow ware	7
Beck, Edwin A., & Co., automobile fabrics and trimmings	8
Beck, Oscar, glassblowing.	
Becker William H. Inc. printing	5
Beckwith-Chandler Co., paints, varnishes and lacquers	104
Beers Steel Bldg. Corp., steel products.	
Behringer Metal Works, Inc., metal fabrication	80
Beierle-Emmert Printing Co.	2

ESSEX COUNTY (contd.)

NEWARK (contd.)

Beitman, Arthur A., artificial limbs.	
Bell, James, Co., Inc., general merchandise.	
Beller Electric Co. electrical equipment.	
Belmont Body Builders, auto bodies	6
Belmont Candy & Tobacco Co., confectioners—wholesale and manufacturing.	
Belmont Dress Co.	83
Bender, Philip & Sons, dies, tools and special machinery, experimental work.	6
Benedict-Miller, Inc., alloy, tool and carbon machinery steels, etc.	58
Benjamin & Johnes, Inc., corsets, brassieres	475
Bennett Steel Treating Co., heat treating	35
Benz, Henry, jewelry.	
Benzol Products Co., medicinal chemicals and intermediates.	
Berger, Emanuel, Co., ladies' blouses	52
Berger, Julius, infants' wear	77
Bergfels, William & Co., Inc., metal spinning	9
Berghof, August A., Inc., blades	3
Berk, O., Inc., bottle tops closures.	
Berk's Print Shop stationery	3
Bessinger, Geo. J., & Co., jewelry	5
Best Made Dresses, ladies' dresses	30
Bibona & Co., men's coats	53
Biddelman, Inc., men's and women's woolens.	
Bigelow Varnish Co.	
Bilt-Rite Furniture Shops, living room suites.	
Bingham Bros. Co., liquid adhesives	13
Bing's Factory Clothing Outlet, men's and boys' clothing.	
Bird Printing Co.	3
Birenbaum Metal Co., scrap metal.	
Birn Co., The, bakers' equipment.	
Bischoff & Haug, millwork	2
Bishop & Bishop, jewelry	6
Bistis Press	1
Black & Decker Mfg. Co., portable electric tools.	
Blackburn Products, Inc., simulated leather.	
Blair Tool & Machine Works, machine work	3
Blake, H. M., steel.	
Blanchard Bros. & Lane, leather for automobiles and airplanes	307
Blank, Henry, & Co., jewelry	35
Bleiberg, Louis, gold rings	8
Bliss-Scofield, gold jewelry	11
Bliwise Hat Co., Inc., men's fur felt hats	17
Blocker Corp., industrial air conditioning, refrigeration, ventilation.	
Blue Blade Heat Treating Co., heat treating razor blades, tape rulers and various types of strip steel	15
Blue Ribbon Foods, prepared foods	30
Blum Hemstitching & Pleating Co.	
Blum, William, tools, dies and metal stampings	7
Bobker Bearing Co., ball and roller bearings	

ATTACHMENT C

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